General Catalogue 1971

MERCK

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FINE AND PHARMACEUTICAL CHEMICALS REAGENTS

1971

E. Merck, Darmstadt

MERCK

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Price

The prices in this catalogue are subject to alteration without notice.

These quotations are only intended for the general guidance of the final purchaser. They do not include any expenses that may be incurred by the importer or the dealer through Customs' duties, Customs' handling, freight, insurance, taxes etc. We therefore recommend that suppliers or dealers should be contacted regarding **loco prices.**

Orders with a value of under DM 500.– cannot be accepted because of relatively high operating costs.

The terms of delivery ex Darmstadt works are as follows:

Prices to include all packaging material

Railway/ship consignments: carriage-paid as far as the West German frontier, or fob West German port. Customs' duty not paid.

Express consignments: carriage-paid as far as the West German frontier, not including extra freight charges.
Postal consignments: ex works.

Air freight consignments: carriage-paid to the Rhein-Main Airport.

A reduction of 5% is allowed on consignments containing 24 standard packages of a particular package size of the same product, with the exception of standard cases, narcotics, reagent papers, vitamins and products for which graded prices have been fixed.

The minimum charge for any single invoiced article is DM 5.–.

Ordering

In order to avoid errors and delays, we request that attention should be paid to the following points:

All orders are processed electronically, and therefore it is imperative for the delivery of the requested grade and the satisfactory completion of the order that the catalogue number is stated. We can take no responsibility for orders placed "as before", as this refers neither to the grade, nor to the form of packaging nor to the price.

In general, **standard and bulk packages** can only be supplied in those package sizes that are indicated in the catalogue. Packages that are smaller than the smallest standard package can only be supplied if at least 50 packages are ordered.

We reserve the right to change orders for the intermediate-size packages to the corresponding quantity of standard packages.

Orders for packages that are larger than the largest standard package can be carried out if the quantity ordered is a multiple of the largest standard package. Please contact us if in doubt.

However, for technical reasons, **reagent solutions** can only be supplied in the standard package sizes as indicated in the catalogue.

Those items for which only bulk packages are mentioned in the catalogue cannot be supplied in standard packages.
If in exceptional cases a particular package size or form quoted in the catalogue is not in stock, we reserve the right to choose another size or form of packaging; possible price differences will be taken into consideration.

Standard boxes are available for certain frequently ordered products. We request that orders should be of such a size that, where possible, delivery can be made in standard boxes (see catalogue).

Delivery

We endeavour to supply our products as quickly as possible, but we can lay down no fixed period for delivery.

If, for reasons beyond our control, lack of raw materials, hold-ups within our factory, or at our suppliers or at the forwarding companies, the manufacture, procurement or delivery should either be hindered, delayed or made impossible, we may, at our discretion, delay or cancel delivery in whole or in part.

For this reason, no claims for damages resulting from belated delivery can be accepted.

Complaints can only be considered if they are made immediately after receipt of the goods.

Insurance

Prices fob include insurance up to port of shipment. Insurance for delivery cif is covered from factory to customer's godown plus an imaginary profit but not including duty. The insurance covers particular average, such as breakage, theft etc. If damage occurs to a consignment for which insurance is covered by us, the claim is to be filed immediately after arrival of the goods. Please contact in this case the authorized agents of the underwriters as stipulated in the insurance certificate in order to obtain the certificate of survey. Unless the survey is made without delay we are not in a position to acknowledge claims.

Dangerous goods

Dangerous goods are marked •|• in this catalogue. These items are in general excluded from dispatch by parcel-post and airfreight. For shipment by ocean vessel most of these goods have to be stowed on deck. In letters of credit, shipment on deck must be expressly permitted.

Dispatch

All orders are dispatched at the customer's own risk.

Our products are packed carefully and in such a way that they observe the terms of transportation. Therefore we are not liable for any damages or losses that may occur during the transportation. On request we will insure the goods against breakage, theft and other forms of damage for a corresponding fee. In the latter case, claims must be accompanied by a certificate of survey. If railway container waggons are used for the transportation, we will pay the hire-charge for the normal period of use. However, the customer must meet all costs arising from a delayed unloading of the waggons. No reduction can be granted for unused loading space.

Retention of Title

We maintain ownership of all goods supplied by us until the purchaser has paid in full all liabilities resulting from his transactions with us. The purchaser is however entitled to dispose of such goods in the normal course of his business, in particular to resell them. The goods supplied by us may not be given in pledge as security to, or seized by, any third party. We must be notified at once of any seizure or impoundment of the goods. If goods that are still under our ownership are processed in the normal course of manufacture, then we assume ownership of the new products. This applies even if considerable value has been added to the goods we supplied.

The purchaser must surrender to us any income from the resale of goods still under our ownership to the amount of the total outstanding liabilities.

General Information

All disputes arising from deliveries will be settled according to German law, unless otherwise agreed. The venue is Darmstadt.

For a large number of reagents the purity is indicated by **guarantee certificates.** These figures also appear on the label. If, as a result of any alterations, the details given in the catalogue do not correspond to those on the label, then only the data on the label are valid.

The same applies to type analyses indicated for some products. The data given with the **type analyses** are however not guaranteed figures, but just indications of purity. Slight deviations in individual values may be possible.

The addition of chemicals to foodstuffs (including luxuries) of any sort must follow the relevant statutory regulations. We can accept no responsibility for the observance of these rules outside our works.

Products which could be considered for parenteral use in medicinal, pharmaceutical or technical applications are marked in the catalogue and on the labels as follows:

> "Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed."

This means that injection and infusion solutions must be prepared, filtered, sterilised and where necessary subjected to a pyrogen test, according to the regulations of the respective pharmacopoeias.

We advise our customers regarding technical applications to the best of our knowledge within the scope of the possibilities open to us, but without any engagement on our part. This applies in particular in respect of any protected rights of third parties. However, the sale of our products is not associated with the granting of a licence with respect to any of our protected rights. Our suggestions do not relieve our customers of the responsibility of testing our preparations for suitability for the purpose envisaged.

In connection with the supply of **narcotics,** we refer our customers to the relevant laws of the country concerned. According to international regulations we require the import permit of the Health Authority of the country in question, in order to obtain our export permit.

When selling products bearing our **trademark,** the following regulations of the Trademark Law must be observed:

Our registered trademarks (indicated on the labels ®), the name **"Merck"** the crest symbol, the special design of the label ("Balken-Etikett"), and the product names may not be used on products of foreign origin, or on repacked or processed materials originally supplied by us.

The details given with **liquids** about the weight of one litre of that substance are intended only as a guide for conversion into kilogrammes.

The **suffixes** given for the optically active or racemic products do not refer to the optical rotation in aqueous solution, but to the absolute configuration.

Reagents and other products of special purity for laboratory use are distinguished in this catalogue by green print. For general laboratory use we also recommend our "extra pure" and "pure" grades (see type analysis)

Abbreviations and Symbols

kg = kilogramme
g = gramme
l = litre
ml = millilitre
mp = melting point
bp = boiling point
C. I. = Colour Index 2nd Edition 1956
S. = Schultz Farbstoff-Tabelle 7th Edition

Licristal® = liquid crystals (for temperature measuring, electronic industry, molecular spectroscopy
Optipur® = chemicals for the production of single crystals
Patinal® = evaporation chemicals for vacuum deposition
Selectipur® = chemicals of specialized purity for optical and electronic applications
Suprapur® = ultrapure products for laboratories and production
Titriplex® = EDTA and related compounds for complexometry
Titrisol® = concentrated solutions in ampules
Uvasol® = products of high optical purity for spectroscopy
LAB = laboratory chemicals mainly for preparative and biochemical purpose
ORG = basic materials and intermediates for preparative organic work

= wide-necked glass bottle
= wide-necked glass bottle with glass stopper
= wide-necked plastic bottle
= narrow-necked plastic bottle
= narrow-necked glass bottle
= narrow-necked glass bottle with glass stopper
= glass bottle with rubber stopper
= ampoule
= carton
= tin
= tin can
= plastic canister in fibre container
= zinc can
= metal drum
= carboy
= special carton

O = chemicals sensitive to heat
* = chemicals sensitive to cold temperatures
® = registered trademark
† = item will no longer be available after exhaustion of present stocks
•|• = highly inflammable and corrosive products

Pharmacopoeias

BPC = British Pharmaceutical Codex
BP = British Pharmacopeia
B Vet C = British Veterinary Codex
Cod Franç = Codex Français
DAB = Deutsches Arzneibuch
Erg B = Supplement to the German Pharmacopeia, published by "Deutscher Apotheker-Verein"
JP = Japanese Pharmacopeia
NF = The National Formulary
NND = New and Nonofficial Drugs
NNR = New and Nonofficial Remedies
Ph Internat = International Pharmacopeia
Ph Ned = Dutch Pharmacopeia
USP = United States Pharmacopeia

MERCK PRIVATE COMBINATION CODE

(C O P Y R I G H T)

The following list contains code words for use in cabling us orders or enquiries. The code words for **sentences** have been completed so that you will probably find them sufficient for all ordinary communications.

The code words do not interfere with other codes and may be safely used in conjunction with these.

It is imperative that you add your name (which need not necessarily be a registered telegraphic address).

If you receive a mutilated telegram, have the mutilated part repeated at your expense by your telegraph office, which will refund your outlay if the suspected words have been transmitted incorrectly.

Code words for quantities and packs

or	0.25 g	1 g	5 g	10 g 10 ml	25 g 25 ml	50 g 50 ml	100 g 100 ml	250 g 250 ml	500 g 500 ml	1 kg 1 l	2½ kg	5 kg	bulk kg
Send	abacu	abfib	abmyh	abuky	acasc	achdo	acmyh	actyb	adaki	adhfi	adolu	advev	afbeg
1×	abady	abfow	abnac	abulm	acatz	achec	acnah	acugs	adalo	adhgo	adomy	adviw	afbih
2×	abagf	abfux	abned	abunx	acawk	achfu	acnik	acuhr	adamu	adhjy	adonx	advob	afboj
3×	abahm	abfyd	abnib	aburp	acbat	achgy	acnol	acuja	adany	adibi	adorp	advuz	afbuk
4×	abalb	abgat	abnog	abvaj	acbef	achid	acnum	acuke	adask	adico	adowf	advyb	afbyl
5×	abamf	abgev	abnuh	abvek	acbiw	achof	acnyn	aculi	adawn	adidu	adpan	adwav	afcag
6×	abaph	abgiw	abnyj	abvil	acbox	achug	acoba	acumo	adbaz	adify	adpep	adwew	afceh
7×	abard	abgox	abobu	abvom	acbuz	achyh	acodi	acunk	adbeb	adigs	adpir	adwix	afcij
8×	abasp	abguz	abocy	abvun	acbyb	achza	acofo	acupy	adbic	adihr	adpos	adwoz	afcok
9×	abawa	abgyb	abogs	abvyp	accav	acics	acogu	acurf	adbod	adilc	adput	adwub	afcul
10×	abaxe	abhav	abohr	abwak	accew	acikt	acohy	acusm	adbuf	adimt	adpyv	adwyc	afcym
12×	abazi	abheb	abolc	abwel	accix	acild	acolg	acuth	adbyg	adirf	adrap	adxaw	afdah
15×	abban	abhix	abomt	abwim	accoz	acimb	acomp	acvan	adcab	adism	adrer	adxex	afdik
20×	abbce	abhoz	abonk	abwon	accub	acinf	acond	acvep	adcec	adith	adris	adxiz	afdol
25×	abbdi	abhub	aborf	abwup	accyc	acisa	acork	acvir	adcid	adixa	adrot	adxob	afdum
30×	abbep	abhyc	abosm	abwyr	acdaw	acite	acosh	acvos	adcof	adize	adruv	adxuc	afdyn
35×	abbfo	abict	aboth	abxal	acdex	acivi	acowb	acvus	adcug	adjah	adryw	adxyd	afebu
40×	abbgu	abifs	abova	abxem	acdiz	aciwo	acpab	acvyv	adcyh	adjik	adsar	adybo	afecy
45×	abbhy	abihn	abowe	abxib	acdob	acixu	acpek	acwap	addba	adjol	adsby	adycu	afegs
50×	abbir	abilg	aboxi	abxop	acduc	acizy	acpil	acwer	addce	adjum	adses	adydy	afehr
60×	abbos	abima	abozo	abxur	acdyd	acjac	acpom	acwis	addfo	adjyn	adsit	adyft	afelc
70×	abbut	abine	abpad	abxys	acebs	acjed	acpun	acwot	addgu	adkaj	adsov	adygn	afemt
80×	abbyv	abipi	abpef	abybt	aceck	acjif	acpym	acwuv	addhy	adkeb	adsta	adyhm	afenk
90×	abcap	abiro	abpig	abych	aceft	acjog	acrak	acwyw	addog	adkil	adsuw	adylb	aferf
100×	abcer	abisu	abpoh	abyde	acegn	acjuh	acrel	acxar	adect	adkom	adsve	adymf	afesm
150×	abcis	abity	abpuj	abygm	acehm	acjyj	acrim	acxes	adefs	adkun	adswi	adync	afeth
200×	abcot	abjaw	abykp	abyhl	aceka	ackad	acron	acxit	adehn	adkyp	adsxo	adyph	afeva
250×	abcuv	abjex	abraf	abyla	acele	ackef	acrup	acxov	adelg	adiak	adsyx	adyrd	afexi
300×	abcyw	abjiz	abreg	abyme	acemi	ackig	acryr	acxuw	ademp	adiel	adszu	adysp	afezo
350×	abdar	abjob	abrih	abyni	aceno	ackob	acsal	acxyx	adend	adlim	adtas	adywa	affaj
400×	abdes	abjuc	abroj	abypo	acepu	ackpa	acsem	acygt	aderk	adlon	adtet	adyxe	affbe
450×	abdit	abjyd	abruk	abyrb	acery	ackre	acsin	acyks	adesi	adlup	adtiv	adyzi	affca
500×	abdov	abkax	abryl	abysy	acesp	acksi	acsna	acylm	adeto	adlyr	adtow	adzax	affdi
600×	abduw	abkez	absag	abytz	acewl	ackto	acsop	acynx	adeve	admal	adtux	adzez	affek
700×	abdyx	abkib	abseh	abzam	acfax	ackuj	acspe	acyra	adewy	admem	adtyz	adzib	affgu
750×	abecs	abkoc	absij	abzen	acfez	ackvu	acsri	acyse	adfad	admin	adubt	adzoc	affhy
800×	abefa	abkud	absok	abzip	acfib	ackwy	acsso	acyti	adfef	admop	aduch	adzud	affil
900×	abege	abkyf	absul	abzor	acfoc	ackyk	acsur	acyvo	adfig	admur	aduda	adzyf	affip
1000×	abehi	ablaz	absym	abzus	acfud	aclaf	acsvy	acywu	adfoh	admys	adugm	afact	affun
1500×	abejo	ableb	abtah	abzyt	acfyf	acleg	acsys	acyxy	adfuj	adnam	aduhl	afafs	affyp
2000×	abeku	ablic	abtik	acaca	acgaz	aclih	actam	aczas	adfyk	adnen	adulf	afahn	afgak
2500×	abely	ablod	abtol	acade	acgeb	acloj	actes	aczet	adgaf	adnip	adumn	afalg	afgel
3000×	abemb	abluf	abtum	acafi	acgic	acluk	actip	acziv	adgeg	adnor	adung	afama	afgim
3500×	abenf	ablyg	abtyn	acago	acgod	aclyl	actla	aczow	adgih	adnus	adupe	afane	afgon
4000×	aberl	abmab	abuda	acahu	acguf	acmag	actme	aczux	adgoj	adnyt	aduri	afapi	afgup
4500×	abesk	abmec	abufe	acajy	acgyg	acmeh	actni	aczyz	adguk	adoga	aduso	afaro	afgyr
5000×	abewn	abmid	abugi	acamn	achab	acmij	actpo	adacs	adgyl	adohe	adutz	afash	afhal
7500×	abfas	abmof	abuho	acang	achbe	acmok	actsy	adagh	adhca	adoji	aduva	afaty	afhem
10000×	abfet	abmug	abuju	acarb	achci	acmul	actus	adaha	adhde	adoko	advat	afbaf	afhin

Code words for quantities

afwec . . . (send)	1	agbim	40	aghes	79	agmuc	400
afwid	2	agbon	41	aghit	80	agmyd	450
afwof	3	agbup	42	aghow	81	agnax	500
afwug	4	agbyr	43	aghyx	82	agnez	560
afwyh	5	agcal	44	agich	83	agnib	600
afxac	6	agcem	45	agids	84	agnoc	650
afxed	7	agcin	46	agigm	85	agnud	700
afxif	8	agcop	47	agihl	86	agnyf	750
afxog	9	agcur	48	agija	87	agobs	800
afxuh	10	agdam	49	agike	88	agock	900
afxyj	11	agden	50	agili	89	agogn	1000
afyca	12	agdip	51	agimo	90	agolb	1100
afyde	13	agdor	52	aginu	91	agomf	1200
afyfi	14	agdus	53	agipy	92	agoph	1300
afygo	15	agdyt	54	agirb	93	agora	1400
afyjy	16	ageba	55	agisc	94	agose	1500
afykt	17	agece	56	agitz	95	agoti	1600
afymb	18	agedi	57	agjas	96	agovo	1700
afynf	19	agefo	58	agjet	97	agowu	1800
afyri	20	agegu	59	agjiv	98	agoxy	1900
afysk	21	agehy	60	agjow	99	agpaz	2000
afzad	22	ageks	61	agjux	100	agpeb	2500
afzef	23	agelm	62	agjyz	110	agpic	3000
afzig	24	agenx	63	agkat	112	agpod	3500
afzoh	25	agerp	64	agkev	120	agpuf	4000
afzuj	26	agewf	65	agkiw	130	agpyg	4500
afzyk	27	agfan	66	agkox	140	agrab	5000
agags	28	agfep	67	agkuz	144	agrof	5500
agalc	29	agfir	68	agkyb	150	agrug	6000
agamt	30	agfos	69	aglav	160	agryh	6500
agank	31	agfut	70	aglew	170	agsac	7000
agarf	32	agfyv	71	aglix	180	agsed	7500
agasm	33	aggap	72	agloz	190	agsfa	8000
agavi	34	agger	73	aglub	200	agsge	8500
agawo	35	aggis	74	aglyc	224	agshi	9000
agaxu	36	aggot	75	agmaw	250	agsif	9500
agazy	37	agguv	76	agmex	300	agsjo	10000
agbak	38	aggyw	77	agmiz	336		
agbel	39	aghar	78	agmob	350		

Code words for sentences

Contracts

apgac	Book a contract for . . . and await shipping instructions.
apgif	Book a contract for . . . and ship part at once.
apguh	Can you book a contract for . . .?
aphad	Can book a contract for . . . at . . .
aphig	Cannot book contract for . . . (unless).
aphsa	Cannot cancel balance of contract.
aphuj	Contract has been booked.
aphwo	Increase contract of . . . to . . .
aphyk	No contracts booked.
apibu	Refuse booking any further contracts.
apigk	Send . . . against (our) contract.
apjif	Send at once balance of contract for . . .
apirs	Telegraph price for a contract of . . . over 3 months.
apiwe	Telegraph price for a contract of . . . over 6 months.
apizo	Telegraph price for a contract of . . . over 9 months.

Delivery

apjeg	Can you deliver?
apjoj	Can you deliver at once?
apjyl	Can you deliver in a reasonable time?
apkeh	Cannot deliver promptly.
apkok	Delivery about a week after receipt of order.
apkym	Delivery about 2 weeks after receipt of order.
aplik	Delivery about 3 weeks after receipt of order.
aplum	Delivery about 4 weeks after receipt of order.
apmaj	Delivery about 6 weeks after receipt of order
apmil	Delivery after receipt of export license.
apmun	Delivery as required.
apnak	Delivery as soon as possible.
apnim	Delivery as stipulated.
apnup	Delivery every week.
apoda	Delivery every month.
apogi	Delivery every year.
apoju	Delivery in a few days.
apolk	Delivery in a few weeks.
appba	Delivery in about a week.
appdi	Delivery in about 2 weeks.
appfo	Delivery in about 3 weeks.
apphy	Delivery in about 4 weeks.
appop	Delivery in about 6 weeks.
appys	Delivery in about 8 weeks.
apren	Delivery in equal part-shipments.
apror	Delivery over 3 months.
apryt	Delivery over 6 months.
apsep	Delivery over 9 months.
apsos	Delivery over 12 months.
apsyv	Do not know when we can supply.
aptha	Forward delivery.
aptje	Immediate delivery.
aptlo	Must ask for longer delivery time.
aptny	Prompt delivery.
aptuv	Time of delivery uncertain, (about . . .)
apufd	When can you deliver?

Mail

apuji	Await my to-day's letter.
apula	By air mail.
apume	Have mailed full particulars.
apurt	Have not received your letter of . . .
apusy	Have replied by air mail.
apvar	Have sent by air mail.
apves	Mail full particulars.
apvit	Received (refer to) your letter of . . .
apvov	Refer to our (my) letter of . . .
apvuw	Reply by air mail.
apvyx	Send by air mail.
apwas	Will write you, if possible, in a few days re.
apwet	Wrote you a few days ago re.
apwiv	Wrote you re . . . on . . .

Market

apxat	Telegraph tendency of . . .
apxiw	Market rapidly rising.
apxuz	Market has risen.
apyby	Market on the rise.
apyhs	Market steady.
apylp	Market firm.
apyta	Market quiet.
apywi	Market unsettled.
apyzu	Market falling.
apzew	Market falling slightly.
apzoz	Market falling rapidly.
apzyc	Market has fallen.
araka	Market considerably improved.
arami	Market unchanged.

Offers

arapu	Accept cable offer.
arbac	Accept mail offer.
arbcy	Accept offer, book a contract for . . .
arbif	Accept offer, send by mail.
arbuh	Accept offer, ship by steamer.
arbwe	Cannot offer.
arbzo	Cannot offer to advantage.
arcef	Cannot offer, am engaged.
arcoh	Cannot offer, no raw material.
arcyk	Cannot offer at present.
ardeg	Is offer accepted?

ardoj	Is offer (dated . . .) (is last offer) still open for . . .
ardre	Nothing to offer at present.
ardto	Offer by letter.
ardvu	Offer by letter stating time of delivery.
ardyl	Offer by letter stating time of delivery and mail sample.
arers	Offer by wire.
aresa	Offer by wire stating time of delivery.
arevi	Offer by wire stating time of delivery and mail sample.
arexu	Offer by wire firm for reply on or before . . .
arfag	Offer by wire firm for immediate cable reply.
arfeh	Offer C. I. F. all packages incl.
arfga	Offer C. I. F.-air all packing incl.
arfma	Offer firm immediate cable reply.
arfok	Offer firm immediate reply by mail.
arfro	Offer firm for time indicated.
arfty	Offer firm for reply on or before . . .
arfym	Offer firm for reply within 6 days.
argah	Offer fob packing incl.
argik	Offer without engagement.
argol	Offer fob packing extra.
argum	Offer oz lots.
arhaj	Offer lb lots.
arhek	Offer kg lots.
arhil	Offer cwt. lots.
arhom	Offer 100 kg lots.
arhun	Offer ton lots.
ariba	Offer is withdrawn.
aridi	Offer of . . . is still open.
arigu	Offer in addition (to . . .)

Orders (see also Shipping)

arijg	Add to order in hand.
arjak	Advise cabling orders for . . . without delay, as prices are going up.
arjim	Advise reducing orders for . . . as prices promise to go lower.
arjup	Book additional order for . . .
arkal	Cancel mail order for . . .
arkfa	Cancel cable order for . . .
arkhi	Cancel order for . . . and send instead . . .
arkjo	Cannot cancel order for . . .
arkly	Cannot cancel order for . . ., goods have been shipped (on . . .)
arkur	Cannot execute order for . . .
arlam	Cannot execute order for . . . am engaged.
arlde	Cannot execute order for . . . at price limited.
	Cannot execute order for . . . is rock bottom.
arlgo	Cannot execute order for . . . in time.
arlip	Cannot execute order for . . . no raw material.
arlor	Cannot execute order for . . . will explain by mail.
arlyt	Have no order for . . ., send duplicate.
armep	In addition to previous order.
armos	Delete from order (of . . .) the following viz . . .
armyv	Order for . . . has been booked (at . . .)
arnbo	Order for . . . has been booked at last price.
arndy	Order for . . . has been booked at price(s) limited.
arnis	Order for . . . is booked if you do not hear from me to the contrary within 3 days from to-day (Sundays and holidays not counted).
arnuv	Order for . . . is very urgent, hurry shipment.
arnxe	Order for . . . is very urgent, send by mail.
arnzi	Order for . . . is very urgent, send part by mail at once.
arohk	Order No. . . . (of . . .)
aroke	Order for . . . is ready, please give shipping instructions as soon as possible.
aromo	Order has been cancelled.
aropy	Order received by letter will be executed.
arows	Order received by wire will be executed.
arpes	Shall we fill your order at the advanced price?
arpna	State order . . . for alteration, particulars underway.
arppe	Stop order for . . ., await our letter.
arpri	Urgent order received from . . . ship immediately.
arpst	Urgent order received from . . . air freight immediately.
arpuw	When can you execute order (of . . .) (for . . .)?
arpyx	Your order will be filled with all possible speed.

Price

arret	Advise to buy at present price.
arrux	Advise not to buy at present price.
arsat	At any price.
arsiw	At last price (or cheaper).
arsme	At lowest possible price.
arsox	At present price.
arsuz	At same price (as . . .)
arsyb	In sterling.
arsza	In US-$.
artav	Cannot meet price named.
artga	Cannot meet price named . . . must be rockbottom.
artix	Cannot reduce price.
artko	Can supply at . . . (price) per lb.
artmy	Can supply at . . . (price) per oz.
artub	Can supply at . . . (price) per kilo.
aruse	Can supply at . . . (price) per gramme.
aruti	Can supply at . . . (price) per 100 lbs.
aruvo	Can supply at . . . (price) per cwt.
aruwb	Can supply at . . . (price) per 100 kilos.
aruwu	Can supply at . . . (price) per package.
aruxy	List-price(s).
arvaw	Market price is . . .
arviz	Present price is . . .
arvuc	Price(s) have been fixed as follows.
arwax	Price(s) have considerably advanced.
arwib	Price(s) in bond.

arwud	Price(s) is too high, can buy at . . .
arxaz	Price(s) of . . . advanced.
arxco	Price(s) of . . . advanced the new price is . . .
arxeb	Price(s) of . . . declined.
arxic	Price(s) of . . . declined the new price is . . .
arxuf	Price(s) of . . . is likely to advance.
arxze	Price(s) of . . . is likely to decline.
aryci	Price(s) of . . . is likely to remain unchanged.
aryfu	Price(s) of . . . is too high; can you go . . . lower?
arygy	Price(s) respectively higher for smaller quantities.
aryjd	Price(s) unchanged.
aryls	Deutsche Mark.
arynt	Rock bottom price is . . .
arysz	Submit price-limit.
arzab	Telegraph present price of . . .
arzec	To-day's price is . . .
arzho	To render business possible you must increase your price limit.
arzju	To render business possible you must reduce your price.
arzof	Will meet price named.

Quantity

arzyh	Any quantity.
asanz	Can probably sell further quantities at same price.
asato	Can supply any quantity.
asawy	Can supply large quantities.
asbik	Can supply small quantities only.
asbum	Can supply only . . .
ascil	Cannot supply large quantities.
ascne	Further quantities.
ascro	Half the quantity.
ascty	If quantities mentioned are ordered.
ascyp	Increase the quantity to . . .
asdel	In equal quantities.
asdon	Is quantity of . . . correct?
asdyr	Large quantities.
aseco	Quantity about . . .
asefy	Quantity is too large.
asepf	Quantity of . . . is correct.
asest	Quantity of . . . is incorrect, please substitute . . .
aseze	Quantity of . . . is not available, particulars by mail.
asfem	Quantity of . . . is too small for a deck case, may we increase the quantity to . . . ?
asfob	Quantity of . . . is too small for the cheapest price, may we increase the quantity to . . . ?
asfur	Same quantity and subdivisions as last.
asgen	Same quantity as last.
asgor	Small quantities.
asgus	Smaller quantities usual additional charges.
asgyt	Smallest quantity that can be sent is . . .
ashep	Telegraph quantity.
ashos	Twice the quantity.
ashyv	3 times the quantity.
asihe	4 times the quantity.
asiko	5 times the quantity.
asimy	10 times the quantity.
asisd	What is the largest quantity you can send?
asjer	What is the smallest quantity you can send?
asjot	What quantity have you ready for shipment?
asjyw	What quantity will you require?

Sampling

askes	Did you find sample of . . . satisfactory?
askov	Equal to sample (No. . . .) (sent . . .)
askva	Must be better in colour than sample.
askxi	Must be better in purity than sample.
askyx	Must be better in solubility than sample.
aslux	Please send sample of . . .
asmat	Sample approved.
asmiw	Sample has been mailed.
asmuz	Sample not approved.
asnav	Sample not satisfactory, send a new sample from another batch.
asnoz	Sample not yet received, send duplicate.
asnyc	Sample will be sent by first mail.
asope	Sample will be sent with next consignment.

Shipping

asora	Air-freighted on . . . (by flight number).
asoso	By mail.
asovy	By rail.
aspaw	By air.
aspex	Can ship at once.
aspob	Can ship on . . .
aspte	Can you ship on or before . . .?
aspuc	Cannot send by air, will ship by steamer.
aspvi	Cannot send by mail, will ship by steamer.
aspxu	Cannot ship at once.
aspzy	Cannot ship before . . .
asrez	Do not ship . . . for the present, we shall mail shipping instructions.
asroc	Do not ship order of . . . (No. . . .) for the present, but wait until the order is complete.
asryf	Goods are ready for shipment.
assba	Have shipped . . . by . . .? (or on . . .)
assdi	Have you shipped . . .? Wire when.
assfo	Have you shipped . . .? Wire when and how much.
asshy	Hurry shipment of . . .
assod	If you cannot ship all at once, ship part.
assyg	If you cannot ship all at once, send what you can once; wire in any case how much you are going to s
astec	If you cannot ship at once, telegraph.
astno	Order of . . . (or No. . . .,) is ready for shipment wi the exception of . . . shall I ship the other goods?

subo Repeat shipment dated . . .
sudy Repeat shipment dated . . . except deck goods.
sulz Repeat last shipment of . . .
sups Repeat last shipment of . . . except deck goods.
suwa Send at once by mail.
suzi Shall we ship?
sved Ship . . . at last price or cheaper.
svog Ship . . . if you can invoice at . . .
svuh Ship every week until further advice.
swef Ship every fortnight until further advice.
swor Ship every month until further advice.
swyk Ship for duty free importation.
sxeg Ship . . . instead of quantity ordered.
sxoj Ship in one lot.
sxyl Ship order of . . . (or No. . . .) at once and send the rest by mail.
syge Ship order of . . . (or No. . . .) at once and send the rest with our next order.
syjo Shipped . . . (balance will follow).
syly Shipped on . . . (by steamer).
ıszeh Shipped to-day.
ıszij Shipped yesterday.
ıszlo Stop all shipments of . . .
ıszny What quantity can you promise to ship right away?
ıszul What quantity can you promise to ship right away and at what price?
abu When ready for shipment, telegraph.
ajn Will probably ship in a few days.
amd Will probably ship early next week.
:arv Will probably ship end of next week.
:awe Will ship in a day or two.
:azo Will ship on . . .

Telegraphing

tben Answer by telegraph.
tbor Anxiously awaiting reply to our telegram (of . . .)
tbyt Cannot explain by telegraph.
ıtcir Confirm by cable.
ıtcut Received your cable re . . ., reply is "yes".
ıtcyx Received your cable re . . ., reply is "no".
ıtdap Received your letter re . . ., reply is "yes".
tder Received your letter re . . ., reply is "no".
tdis Received your cable, repeat first word
tdot Received your cable, repeat second word
tduv Received your cable, repeat third word
tdyw Received your cable, repeat fourth word
teda Received your cable, repeat fifth word
tefe Received your cable, repeat sixth word
tegi Received your cable, repeat seventh word
teho Received your cable, repeat eighth word
teju Received your cable, repeat ninth word
teky Received your cable, repeat tenth word

(not counting address)

ıtenz Received your cable, repeat the whole text.

atern Received your cable, repeat . . . th word.
atetl Received your cable, will do as requested.
atewt Received (refer to) your cable of . . .
atfar Refer to invoice dated.
atfes Refer to our cable of . . .
atfuw Refer to your telegram; is . . . correct? Or shall we send . . .? (as formerly).
atgas Reply to this cable by letter.
atgiv Telegraph as soon as possible.
atgux Telegraph fully.
athat Telegraph if in order.
athiw Telegraph if not in order.
athuz Telegraph immediately.
atijs Telegraph in any case.
atime Telegraph instructions.
atipo Telegraph whether.
atisy Telegraph "yes" or "no".
atjew Will telegraph you in a few days re . . .
atjoz Will telegraph you to-morrow re . . .
atjyc Will telegraph you later re . . .

Terms

atkex Cash against documents.
atkob Cash less 2½% discount.
atkyd Cash less 5% discount.
atlax Cash on delivery.
atlez Cash with order.
atlib Commission included.
atloc C & F, all packing free.
atlud C & F, -air all packing free.
atlyf C & F, packing extra.
atmaz C & F, -air packing extra.
atmeb CIF, all packing free.
atmic CIF, -air all packing free.
atmod CIF, packing extra.
atmur CIF, -air packing extra
atmyg FAS
atmab FOB, all packing free.
atnec FOB, packing extra.
atnid FOB, incl. container.
atnir FOB, incl. container but cases extra.
atnof FOB, Antwerp.
atnyh FOB, Hamburg.
atojt FOB, Rotterdam.
atosd CIF, London.
atove CIF, principal ports of your country.
atowi Duty paid, all packing free.
atoxo (Less) ½%.
atped (Less) 1%.
atpif (Less) 1½%.
atpuh (Less) 2%.
atrad (Less) 2½%.
atrig (Less) 3%.

atruj	(Less) 4%.
atsaf	(Less) 5%.
atsih	(Less) 10%.
atspa	(Less) 12½%.
atssi	(Less) 15%.
atsuk	(Less) 20%.
atswy	(Less) 25%.
attag	Net cash.
attco	Net CIF London including packing.
atteh	Net CIF London packing extra.
attij	Net including packing.
attul	Packing extra.
attym	Packing free.
atuca	... per cent.
atufi	FOR Darmstadt, packing extra.
atuhu	FOR Darmstadt, packing free.
atupt	Value 3 months.
atwaj	Usual terms.
atwil	FOB (duty paid) New York incl. packing.
atwom	Ex works, packing & postage extra.
atwyp	Ex works, incl. container.

Miscellaneous

atxak	Accept.
atxim	Additional order immediately required.
atxup	As usual.
atxyr	British Preferential Duty.
atyka	Can you supply?
atymi	Cannot supply further.
atyno	Cases extra.
atypu	Clearly soluble.
atzal	Coarse powder.
atzin	Commercial quality.
atzne	Concentrated.
atzpi	Concentrated 1 : 3.
atzsu	Concentrated 1 : 7.
atzty	Concentrated 1 : 10.
atzur	Concentrated 1 : 40.
atzys	Duty paid.
avadi	Excepting.
avagu	Extra pure quality.
avajt	For trial.
avarg	Gold parity.
avasd	Granular.
avbas	If goods are shipped together with others to avoid minimal freight.
avbet	Impalpable powder.
avbiv	Including.
avbyz	Including bulk packages.
avcev	In a day or two ...
avcoy	In a few days.
avcuz	Advise customer to order some more goods to avoid minimum freight.
avcyb	is ... correct?
avdew	Large crystals.
avdoz	Last week.
avdyc	Less than.
aveke	More than.
avemo	Must be ...
avepy	Next week.
avets	No export license granted.
avfey	Not less than.
avfob	Not more than.
avfyd	Not the same as.
avgax	Postage paid.
avgez	Quality as formerly.
avgoc	Quantity is too small to be shipped separately.
avgud	Unless further devaluation of currency takes place.
avgyr	Reagent quality.
avheb	Same as.
avhod	Send import certificate.
avhyg	Send remittance to cover.
avilz	Send cable remittance to cover.
avips	Small crystals.
avise	Special quality.
avivo	To-day.
avjab	To-morrow.
avjec	This week.
avjof	Usual quality.
avjyh	What is the dose of ...? Wire.
avked	What is the dose of ...? Write.
avkog	What is the present state of the matter.
avkyj	Please instruct.
avlef	When can you supply?
avloh	Whether ...?
avlyk	With falling clause.
avmeg	Without (no) falling clause.
avmoj	Without engagement.
avmyl	Yesterday.
avnag	(Conforming to) BPC latest edition (1963).
avnij	(Conforming to) B Vet C 1953.
avnok	(Conforming to) DAB latest edition (7).
avnym	(Conforming to) Erg B 6.
avoci	(Corforming to) BP latest edition (1968).
avoms	(Conforming to) NND 1958.
avonz	(Conforming to) Ph Internat I.
avote	(Conforming to) JP latest edition (VII).
avoza	(Conforming to) Ph Ned latest edition (VI).
avpik	(Conforming to) NF latest edition (XIII).
avrom	(Corforming to) USP latest edition (XVII) *.

References to ordinary letters

See my (our) letter of (–)	See your letter of (–)	instant	See my (our) letter of (–)	See your letter of (–)	ultimo
avtal	avypa	1st	awbyf	awfpu	1st
avtem	avyre	2nd	awcaz	awfry	2nd
avtin	avysi	3rd	awcbi	awfuh	3rd
avtop	avyto	4th	awcco	awfyi	4th
avtur	avyvu	5th	awcdu	awgad	5th
avtys	avywy	6th	awceb	awgef	6th
avuha	avzar	7th	awcfy	awgig	7th
avuje	avzes	8th	awcic	awgoh	8th
avuki	avzit	9th	awcod	awgpa	9th
avulo	avzov	10th	awcuf	awgre	10th
avumu	avzuw	11th	awcxa	awgsi	11th
avupf	avzyx	12th	awcyg	awgto	12th
avure	awaga	13th	awcze	awguj	13th
avust	awahe	14th	awdab	awgvu	14th
avvam	awaji	15th	awdec	awgwy	15th
avven	awako	16th	awdid	awgvk	16th
avvip	awalu	17th	awdug	awhaf	17th
avvor	awamy	18th	awdyh	awheg	18th
avvus	awapf	19th	awejt	awhih	19th
avvyt	aware	20th	awena	awhoj	20th
avwan	awast	21st	awepe	awhuk	21st
avwir	awbax	22nd	aweri	awhyl	22nd
avwos	awbez	23rd	aweso	awibo	23rd
avwut	awbib	24th	awevy	awidy	24th
avwyv	awboc	25th	awfac	awipt	25th
avxap	awbsa	26th	awfed	awirh	26th
avxer	awbte	27th	awfif	awits	27th
avxis	awbud	28th	awfka	awixe	28th
avxot	awbvi	29th	awfle	awizi	29th
avxuv	awbwo	30th	awfmi	awjag	30th
avxyw	awbxu	31st	awfog	awjeh	31st

References to cables

See my (our) cable of (–)	See your cable of (–)	instant	See my (our) cable of (–)	See your cable of (–)	ultimo
awjij	awofa	1st	awsgy	awxav	1st
awjok	awoge	2nd	awsis	awxew	2nd
awjul	awohi	3rd	awsot	awxix	3rd
awjym	awojo	4th	awsuv	awxoz	4th
awkah	awoku	5th	awsyw	awxub	5th
awkik	awoly	6th	awsza	awxyc	6th
awkol	awomd	7th	awtar	awybu	7th
awkum	awops	8th	awtes	awycy	8th
awkyn	aworv	9th	awtit	awyva	9th
awlaj	awoxt	10th	awtov	awywe	10th
awlek	awpam	11th	awtuw	awyxi	11th
awlha	awpca	12th	awtyx	awyzo	12th
awlil	awpde	13th	awujp	awzaw	13th
awlie	awpen	14th	awuma	awzex	14th
awlki	awpgo	15th	awunz	awziz	15th
awllo	awphu	16th	awupi	awzob	16th
awlmu	awpip	17th	awuro	awzuc	17th
awlny	awpjy	18th	awusu	awzyd	18th
awlom	awpor	19th	awuty	axala	19th
awlun	awpus	20th	awvas	axame	20th
awlyp	awpyt	21st	awvet	axani	21st
awmak	awran	22nd	awviv	axapo	22nd
awmim	awrep	23rd	awvov	axbad	23rd
awmup	awrir	24th	awvux	axbef	24th
awmyr	awros	25th	awvyz	axbig	25th
awnal	awrut	26th	awwat	axboh	26th
awnem	awryv	27th	awwev	axbuj	27th
awnin	awsbe	28th	awwiw	axbyk	28th
awnop	awsci	29th	awwox	axcaf	29th
awnur	awsdo	30th	awwuz	axceg	30th
awnys	awser	31st	awwyb	axcih	31st

References to air-mail letters

See my (our) letter of (–)	See your letter of (–)	instant	See my (our) letter of (–)	See your letter of (–)	ultimo
axdag	axifi	1st	axnuw	axusa	1st
axdeh	axigo	2nd	axnyx	axute	2nd
axdij	axihu	3rd	axoka	axuvi	3rd
axdok	axijy	4th	axole	axuwo	4th
axdul	axjal	5th	axomi	axuxu	5th
axcym	axjem	6th	axono	axuzy	6th
axeby	axjin	7th	axopu	axvax	7th
axeta	axjop	8th	axory	axvez	8th
axeve	axjur	9th	axpas	axvoc	9th
axewi	axjys	10th	axpet	axvud	10th
axexo	axkam	11th	axpiv	axvyf	11th
axezu	axken	12th	axpow	axwaz	12th
axfah	axkip	13th	axpux	axweb	13th
axfik	axkor	14th	axpyz	axwic	14th
axfol	axkus	15th	axrat	axwod	15th
axfum	axkyt	16th	axrev	axwuf	16th
axfyn	axlan	17th	axriw	axwyg	17th
axgaj	axlep	18th	axrox	axyba	18th
axgek	axlos	19th	axruz	axyce	19th
axgil	axlut	20th	axryb	axydi	20th
axgom	axlyv	21st	axsav	axyfo	21st
axgun	axmap	22nd	axsew	axygu	22nd
axgyp	axmer	23rd	axsix	axyhy	23rd
axhak	axmis	24th	axsoz	axzac	24th
axhel	axmot	25th	axsub	axzed	25th
axhim	axmuv	26th	axtaw	axzif	26th
axhon	axmyw	27th	axtex	axzog	27th
axhup	axnar	28th	axtiz	axzuh	28th
axhyr	axnes	29th	axtob	axzyj	29th
axica	axnit	30th	axtuc	azara	30th
axide	axnov	31st	axtyd	azati	31st

Dates

	ult.	inst.	prox.	Combine with the name of the month
1st	azeci	azjit	azoto	aztyj
2nd	azedo	azjov	azovu	aztzy
3rd	azefa	azjuw	azowe	azubi
4th	azegy	azjyk	azpak	azuco
5th	azeza	azkas	azpez	azudu
6th	azfam	azket	azpib	azufy
7th	azfen	azkiv	azpoc	azuxa
8th	azfip	azkow	azpud	azuze
9th	azfor	azkux	azpyf	azvad
10th	azfus	azkys	azraz	azvef
11th	azfyt	azlat	azreb	azvig
12th	azgan	azlev	azric	azvoh
13th	azgep	azliw	azrod	azvuj
14th	azgir	azlox	azruf	azvyk
15th	azgos	azlub	azryg	azwaf
16th	azgut	azlyb	azsab	azweg
17th	azgyv	azmav	azsec	azwih
18th	azhap	azmew	azsid	azwoj
19th	azher	azmix	azsof	azwuk
20th	azhis	azmoz	azsug	azwyl
21st	azhot	azmub	azsyk	azxag
22nd	azhuv	azmyc	aztac	azxeh
23rd	azhyw	aznaw	azted	azxij
24th	aziha	aznex	aztif	azxok
25th	azije	azniz	aztog	azxul
26th	aziki	aznob	aztsa	azxym
27th	azilo	aznuc	aztte	azyga
28th	azimu	aznyd	aztuh	azyhe
29th	aziny	azopa	aztvi	azyji
30th	azjar	azore	aztwo	azyko
31st	azjes	azosi	aztxu	azylu

Months

azymy	January
azzah	February
azzba	March
azzce	April
azzdi	May
azzfo	June
azzgu	July
azzhy	August
azzik	September
azzol	October
azzum	November
azzyn	December

FINE AND PHARMACEUTICAL CHEMICALS
REAGENTS
LABORATORY CHEMICALS

complete alphabetical index

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Acacia see Gum arabic				
	Acetaldehyde for synthesis (LAB) CH_3CHO MW 44.05 1 l = 0.78 kg TYPE ANALYSIS: Assay . . . . . 99 % Boiling-point . . . . 21° C Non-volatile substances . . . . 0.005 % Free acid (as CH_3COOH) . . 0.4 % Chloride (Cl) . . . . 0.005 % Heavy metals (as Pb) . . . . . 0.0005 % Iron (Fe) . . . . . 0.0005 %		500 ml 1 l	5.— 7.50	
	Acetaldehyde diethyl acetal for synthesis (ORG) $C_6H_{14}O_2$ MW 118.18 1 l = 0.83 kg		100 ml	6.—	
8	**Acetamide** extra pure CH_3CONH_2 MW 59.07	1.6	P 250 g 1 kg 5 kg	12.50 40.— 180.—	
7	**Acetamide** CH_3CONH_2 MW 59.07	1.6	P 1 kg 5 kg 9051/50 kg	19.— 79.—	14.10
26	**Acetamidinium chloride** for synthesis (LAB) $C_2H_7ClN_2$ MW 94.54		250 g 1 kg	15.25 50.—	
73	**2-Acetamidoacrylic acid** for synthesis (ORG) $C_5H_7NO_3$ MW 129.12		5 g	39.—	
106	**4-Acetamidobenzaldehyde** for synthesis (ORG) $C_9H_9NO_2$ MW 163.18		25 g	9.—	
75	**4-Acetamidocinnamic acid** for synthesis (ORG) $C_{11}H_{11}NO_3$ MW 205.22		10 g	27.50	
	2-Acetamido-2-deoxy-α-D-glucopyranose see *N*-Acetyl-D-glucosamine				
	2-Acetamidophenol see *o*-Hydroxyacetanilide				
	4-Acetamidophenol see *p*-Hydroxyacetanilide				

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
11	**Acetanilide** standard for elementary analysis C_8H_9NO MW 135.17 CERTIFICATE OF GUARANTEE: Carbon (C) . . . . . 71.1% Nitrogen (N) . . . . . 10.4% Hydrogen (H) . . . . . 6.7% Oxygen (O) . . . . . 11.8% Suitable for determination of C, H, N, O	1.6		5 g	6.80	
10	**Acetanilide** cryst. extra pure DAB 6, JP VI, NF X, USP XIV C_8H_9NO MW 135.17	2		500 g 1 kg 5 kg 50 kg	5.25 9.— 35.75	5.50
	Acetic acid 3% see Hagedorn-Jensen's solutions					
65 *	**Acetic acid** 5% 1 l = 1.01 kg			1 l	7.10	
66 *	**Acetic acid** 10% 1 l = 1.01 kg			1 l	7.10	
55 •I• *	**Acetic acid** glacial min. 96% **Suprapur**® CH_3COOH MW 60.05 1 l = 1.06 kg CERTIFICATE OF GUARANTEE: Assay of CH_3COOH (acidimetric) . . . . . min. 96 % Chloride (Cl) . . . . . max. $3 \cdot 10^{-5}$ % (0.3 ppm) Sulfate (SO_4) . . . . . max. $2 \cdot 10^{-5}$ % (0.2 ppm) Phosphate (PO_4) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Lead (Pb) . . . . . max. $5 \cdot 10^{-7}$ % (0.005 ppm) Copper (Cu) . . . . . max. $5 \cdot 10^{-7}$ % (0.005 ppm) Nickel (Ni) . . . . . max. $5 \cdot 10^{-7}$ % (0.005 ppm) Cobalt (Co) . . . . . max. $5 \cdot 10^{-7}$ % (0.005 ppm) Iron (Fe) . . . . . max. $5 \cdot 10^{-7}$ % (0.005 ppm) Zinc (Zn) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Cadmium (Cd) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Aluminium (Al) . . . . . max. $5 \cdot 10^{-7}$ % (0.005 ppm) Manganese (Mn) . . . . . max. $5 \cdot 10^{-7}$ % (0.005 ppm) Thallium (Tl) . . . . . max. $5 \cdot 10^{-7}$ % (0.005 ppm) Magnesium (Mg) . . . . . max. $5 \cdot 10^{-7}$ % (0.005 ppm) Calcium (Ca) . . . . . max. $5 \cdot 10^{-7}$ % (0.005 ppm) Strontium (Sr) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Barium (Ba) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Sodium (Na) . . . . . max. $1 \cdot 10^{-4}$ % (1 ppm) Potassium (K) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm)			100 ml 1 l	11.50 44.75	

Volume

Standard packages fob incl. all packing Prices per container

Bulk packages fob incl. packing Prices per kg

DM

DM

90062 •I• * **Acetic acid** glacial min. 96% (about 1.06) GR

CH_3COOH MW 60.05 — 1 l = 1.06 kg

CERTIFICATE OF GUARANTEE:

Assay of CH_3COOH	min. 96%	Copper (Cu)	max. 0.00001%
Non-volatile substances	max. 0.001 %	Iron (Fe)	max. 0.00002%
Chloride (Cl)	max. 0.0001 %	Zinc (Zn)	max. 0.00001%
Sulfate (SO_4)	max. 0.0001 %	Cadmium (Cd)	max. 0.00001%
Lead (Pb)	max. 0.00001%	Acetaldehyde (CH_3CHO)	max. 0.0002 %

500 ml		5.—	
1 l		8.—	
2½ l		17.50	
standard box			
30 x 1 l	1 l	7.50	
4 x 30 x 1 l	1 l	7.25	
8 x 2½ l	2½ l	16.50	
8 x 8 x 2½ l	2½ l	16.—	
30 kg			4.50
5 x 30 kg			4.25

90046 •I• * **Acetic acid** glacial min. 96% (about 1.06) **Selectipur**®

CH_3COOH MW 60.05 — 1 l = 1.06 kg

2½ l, 55 kg — prices on application

90058 •I• * **Acetic acid** glacial min. 96% (max. 1.058) extra pure DAB 6

CH_3COOH MW 60.05 — 1 l = 1.06 kg

1 l	6.—	
2½ l	12.50	
30 kg		3.—
5 x 30 kg		2.90

90063 •I• * **Acetic acid** glacial 100% (about 1.05) indifferent to chromic acid GR

CH_3COOH MW 60.05 — 1 l = 1.05 kg

CERTIFICATE OF GUARANTEE:

Assay of CH_3COOH	min. 99.8%	Iron (Fe)	max. 0.00002%
Non-volatile substances	max. 0.001 %	Zinc (Zn)	max. 0,00001%
Chloride (Cl)	max. 0.0001 %	Cadmium (Cd)	max. 0.00001%
Sulfate (SO_4)	max. 0.0001 %	Acetaldehyde (CH_3CHO)	max. 0.0002 %
Lead (Pb)	max. 0.00001%	Indifference to chromic acid	passes test
Copper (Cu)	max. 0.00001%		

500 ml		5.—	
1 l		8.—	
2½ l		17.50	
standard box			
30 x 1 l	1 l	7.50	
4 x 30 x 1 l	1 l	7.25	
8 x 2½ l	2½ l	16.50	
8 x 8 x 2½ l	2½ l	16.—	
30 kg			4.50
5 x 30 kg			4.25

90047 •I• * **Acetic acid** glacial 99–100% (1.048–1.051) **Selectipur**®

CH_3COOH MW 60.05 — 1 l = 1.05 kg

2½ l, standard box 8 x 2½ l, 55 kg — prices on application

90056 •I• * **Acetic acid** glacial 99–100% (1.048–1.051) extra pure, DAB 7, Cod Franç 1965, Ph Ned. VI, USP XVII

CH_3COOH MW 60.05 — 1 l = 1.05 kg

TYPE ANALYSIS:

Assay of CH_3COOH (acidimetric)	99.4 %	Iron (Fe)	0.0005 %
Chloride (Cl)	0.0005 %	Substances reducing $KMnO_4$ (as HCOOH)	0.01 %
Sulfate (SO_4)	0.0005 %	Non-volatile substances	0.005 %
Heavy metals (as Pb)	0.0005 %		

1 l		6.—	
2½ l		12.50	
standard box			
30 x 1 l	1 l	5.60	
4 x 30 x 1 l	1 l	5.40	
8 x 2½ l	2½ l	11.75	
8 x 8 x 2½ l	2½ l	11.25	
30 kg			3.—
5 x 30 kg			2.90

Acetic acid-d see Monodeuteroacetic acid

Acetic acid-d_4 see Tetradeuteroacetic acid

Acetic acid gentian violet solution see Türk's solution

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
42	•|•	**Acetic anhydride** GR $(CH_3CO)_2O$ MW 102.09 1 l = 1.08 kg CERTIFICATE OF GUARANTEE: Assay (morpholine method) . . . min. 97% Chloride (Cl) . max. 0.0002 % Sulfate (SO_4) . max. 0.0005 % Lead (Pb) . . . max. 0.000005% Copper (Cu) . . max. 0.000005% Iron (Fe) . . . max. 0.0005 % Zinc (Zn) . . . max. 0.000005% Cadmium (Cd) . max. 0.000005% Readily carbonisable substances . passes test Substances reducing $KMnO_4$ (as O) max. 0.015 % Residue on evaporation . max. 0.003 %		500 ml 1 l 2½ l standard box 30 x 1 l 4 x 30 x 1 l 8 x 2½ l 8 x 8 x 2½ l 50 kg	4.50 7.— 15.— 1 l 6.50 1 l 6.25 2½ l 14.25 2½ l 13.75	4.—
41	•|•	**Acetic anhydride** pure Erg B 6 $(CH_3CO)_2O$ MW 102.09 1 l = 1.08 kg		1 l 2½ l 50 kg	6.— 12.50	3.45
		Acetic anhydride-d_6 see Hexadeuteroacetic anhydride				
78		**Acetoacetanilide** for synthesis (ORG) $C_{10}H_{11}NO_2$ MW 177.20		250 g	7.50	
79		**Acetoacet-1-naphthylamide** for synthesis (ORG) $C_{14}H_{13}NO_2$ MW 227.27		100 g	10.50	
80		**Acetoacet-*p*-phenetidide** for synthesis (ORG) $C_{12}H_{15}NO_3$ MW 221.26		250 g	20.—	
81		**Acetoacet-2,4-xylidide** for synthesis (ORG) $C_{12}H_{15}NO_2$ MW 205.26		250 g	15.50	
121		**α-Acetobromoglucose** for synthesis (ORG) stabilised with about 1% calcium carbonate $C_{14}H_{19}BrO_9$ MW 411.21	2	10 g	10.50	
		Acetomenaphthone see 1,4-Diacetoxy-2-methylnaphthalene				

Volume

Standard packages fob incl. all packing Prices per container DM

Bulk packages fob incl. packing Prices per kg DM

14 Acetone GR

CH_3COCH_3 MW 58.08 — 1 l = 0.79 kg

CERTIFICATE OF GUARANTEE:

Assay (gas chromatographic)	min. 99.5%	Manganese (Mn)	max. 0.000001%
Free acid (as CH_3COOH)	max. 0.002 %	Zinc (Zn)	max. 0.000001%
Free alkali (as NH_3)	max. 0.001 %	Magnesium (Mg)	max. 0.00001 %
Lead (Pb)	max. 0.000001%	Methanol (CH_3OH)	max. 0.01 %
Copper (Cu)	max. 0.000001%	Ethanol (C_2H_5OH)	max. 0.01 %
Nickel (Ni)	max. 0.000005%	Aldehyde (as HCHO)	max. 0.0002 %
Cobalt (Co)	max. 0.000005%	Substances reducing $KMnO_4$ (as O)	max. 0.00025 %
Iron (Fe)	max. 0.00001 %	Water	max. 0.2 %
		Non-volatile substances	max. 0.001 %

		DM	DM
1 l		4.50	
2½ l		10.—	
standard box			
30 x 1 l	1 l	4.25	
4 x 30 x 1 l	1 l	4.—	
8 x 2½ l	2½ l	9.50	
8 x 8 x 2½ l	2½ l	9.25	
45 kg			3.60
5 x 45 kg			3.45

12 Acetone for pesticide residue analysis

CH_3COCH_3 MW 58.08 — 1 l = 0.79 kg

1 l	7.—

22 Acetone for spectroscopy Uvasol®

CH_3COCH_3 MW 58.08 — 1 l = 0.79 kg

CERTIFICATE OF GUARANTEE:

Suitability for UV spectroscopy (1-cm cell; reference : water)

Transmittance at

330 nm	min. 15%
340 nm	min. 85%
350 nm	100%

Suitability for IR spectroscopy passes test

500 ml	4.50
1 l	10.50
2½ l	21.—

24 Acetone Selectipur®

CH_3COCH_3 MW 58.08 — 1 l = 0.79 kg

2½ l	prices on application
45 kg	

18 Acetone extra pure, BPC 1963, Cod Franç 1965, NF XII

CH_3COCH_3 MW 58.08 — 1 l = 0.79 kg

aluminium bottle			
1¼ l		5.—	
2½ l		8.—	
standard box			
3 x 8 x 1¼ l	1¼ l	4.75	
12 x 8 x 1¼ l	1¼ l	4.50	
8 x 2½ l	2½ l	7.50	
8 x 8 x 2½ l	2½ l	7.25	
50 kg			2.90

13 Acetone extra pure DAB 6

CH_3COCH_3 MW 58.08 — 1 l = 0.79 kg

aluminium bottle			
1¼ l		5.—	
2½ l		8.—	
standard box			
3 x 8 x 1¼ l	1¼ l	4.75	
12 x 8 x 1¼ l	1¼ l	4.50	
8 x 2½ l	2½ l	7.50	
8 x 8 x 2½ l	2½ l	7.25	
50 kg			2.75

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
		Acetone-d_6 see Hexadeuteroacetone				
		Acetone chloroform see 1,1,1-Trichloro-2-methyl-2-propanol				
		Acetone dimethyl acetal see 2,2-Dimethoxypropane				
		Acetonenol acetate see *iso*-Propenyl acetate				
17	•|•	**Acetonitrile** for pesticide residue analysis CH_3CN MW 41.05	1 l = 0.78 kg		1 l	30.—
16	•|•	**Acetonitrile** for spectroscopy **Uvasol®** CH_3CN MW 41.05 CERTIFICATE OF GUARANTEE: Suitability for UV spectroscopy (1-cm cell; reference : water) Transmittance at 220 nm . . . . . min. 50% 230 nm . . . . . min. 90% 250 nm . . . . . min. 95% 300 nm . . . . . min. 99% 320 nm . . . . . 100% Suitability for IR spectroscopy passes test	1 l = 0.78 kg		250 ml 1 l	13.75 44.50
15	•|•	**Acetonitrile** for synthesis (LAB) CH_3CN MW 41.05 TYPE ANALYSIS: Assay (ex N) . . . 98% d 20°/4° . . . . . 0.782–0.784 Refractive index ($n_D^{20°}$) . . . . . 1.344–1.346 Boiling-range (95%) 80–82° C Non-volatile substances . . . . 0.03 % Water (acc. to Karl Fischer) . . . 0.3 %	1 l = 0.78 kg		250 ml 1 l	5.— 12.50
		Acetonitrile-d_3 see Trideuteroacetonitrile				
		Acetophenetidine see Phenacetin				
28		**Acetophenone** for synthesis (LAB) C_8H_8O MW 120.15	1 l = 1.03 kg		1 l	9.50
		2-Acetoxybenzoic acid see o-Acetylsalicylic acid				

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages ob. incl. packing Prices per kg DM
	21-Acetoxy-11β,17α-dihydroxy-4-pregnene-3,20-dione see Hydrocortisone acetate					
	21-Acetoxy-11β-hydroxy-4-pregnene-3,20-dione see Corticosterone acetate					
3652	**3β-Acetoxy-17α-hydroxy-5-pregnen-20-one** (LAB) $C_{23}H_{34}O_4$ MW 374.53	4		10 g 100 g	26.25 200.—	
	3β-Acetoxy-6-methyl-5,16-pregnadien-20-one see 6-Methylpregnadienolone acetate					
	3β-Acetoxy-16-methyl-5,16-pregnadien-20-one see 16-Methylpregnadienolone acetate					
	3β-Acetoxy-5,16-pregnadien-20-one see Pregnadienolone acetate					
3653	**3β-Acetoxy-5α-pregnan-20-one** (LAB) $C_{23}H_{36}O_3$ MW 360.54	2.5		10 g 100 g	20.— 160.—	
	21-Acetoxy-4-pregnene-3,20-dione see 11-Deoxycorticosterone acetate					
3655	**3β-Acetoxy-5α-pregn-16-en-20-one** (LAB) $C_{23}H_{34}O_3$ MW 358.53	3	P	1 g 10 g 100 g	4.50 26.25 200.—	
3656	**3β-Acetoxy-5β-pregn-16-en-20-one** (LAB) $C_{23}H_{34}O_3$ MW 358.53	1.5		5 g	18.50	
	21-Acetoxy-4-pregnene-3,11,20-trione see 11-Dehydrocorticosterone acetate					
	3β-Acetoxy-5α,20α_FH,22α_FO,25β_FH-spirostan-12-one see Hecogenin acetate					
	Acetphenolisatin see Diacetyldiphenolisatin					

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
76	**Acet-o-toluidide** for synthesis (ORG) $C_9H_{11}NO$ MW 149.19		250 g 1 kg	6.50 19.	
77	**Acet-p-toluidide** for synthesis (ORG) $C_9H_{11}NO$ MW 149.19		250 g	10.	
82	**Acetylacetaldehyde glycol acetal** for synthesis (ORG) $C_6H_{10}O_3$ MW 130.14 1 l = 1.10 kg		100 ml	21.—	

Acetylacetonato (2,4-pentanedionato) metal complexes see

Aluminium acetylacetonate
Cadmium(II) acetylacetonate
Chromium(III) acetylacetonate
Cobalt(II) acetylacetonate
Cobalt(III) acetylacetonate
Copper(II) acetylacetonate
Iron(III) acetylacetonate
Manganese(II) acetylacetonate
Manganese(III) acetylacetonate
Molybdenyl acetylacetonate
Nickel(II) acetylacetonate
Palladium(II) acetylacetonate
Titanyl acetylacetonate
Vanadium(IV) oxide acetylacetonate
Zinc(II) acetylacetonate
Zirconium(IV) acetylacetonate

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
9600	•I•	**Acetylacetone** GR $C_5H_8O_2$ MW 100,12 1 l = 0.97 kg CERTIFICATE OF GUARANTEE: Assay (iodometric) min. 99% d 20°/4° . . . . . 0.972–0.974 Refractive index ($n_D^{20°}$) . . . . 1.452–1.453 Boiling-range (760 mm) . . . . 137–140° C Residue on evaporation max. 0.005%		100 ml 250 ml 1 l	5.25 10.50 31.50	
23	•I•	**Acetylacetone** for synthesis (LAB) $C_5H_8O_2$ MW 100.12 1 l = 0.97 kg		250 ml 1 l	10.— 29.—	
536	○	*N*-**Acetyl-L-alanin-4-nitroanilide** for biochemistry (LAB) $C_{11}H_{13}N_3O_4$ MW 251.24 Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	3	1 g 5 g	8.50 32.50	

2-Acetylaminoacrylic acid see 2-Acetamidoacrylic acid

4-Acetylaminoaniline see *p*-Aminoacetanilide

4-(Acetylamino)-phenol see *p*-Hydroxyacetanilide

2-Acetylaminotoluene see Acet-*o*-toluidide

4-Acetylaminotoluene see Acet-*p*-toluidide

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
39	**Acetyl bromide** for humus test CH_3COBr MW 122.95 1 l = 1.63 kg CERTIFICATE OF GUARANTEE: Assay (acidimetric) min. 99%; Boiling-point . . . 75–76° C; Sulfate (SO_4) . . max. 0.001%; Phosphate (PO_4) . max. 0.005%; Non-volatile substances . . max. 0.01 %		50 ml 250 ml	11.-- 49.—	
	2-Acetyl-4-butanolide see 2-Acetyl-4-hydroxybutyric acid lactone				
	α-Acetyl-γ-butyrolactone see 2-Acetyl-4-hydroxybutyric acid lactone				
31	**Acetyl chloride** GR CH_3COCl MW 78.50 1 l = 1.10 kg CERTIFICATE OF GUARANTEE: Assay (acidimetric) min. 99%; Non-volatile substances . . max. 0.002 %; Sulfate (SO_4) . . max. 0.0002%; Phosphate (PO_4) max. 0.0005%; Heavy metals (as Pb) . . . . max. 0.0002%; Iron (Fe) . . . . max. 0.0002%; Reducing substances . . passes test		100 ml 250 ml 1 l	— 10.— 30.50	
	Acetyl chloride-d_3 see Trideuteroacetyl chloride				
32	**Acetylcholinium chloride** Cod Franç 1965 $C_7H_{16}ClNO_2$ MW 181.66 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2.5	**25 g** **250 g**	5.— 30.50	
3048	**Acetyldigitoxin** cryst. NND 1960 $C_{43}H_{66}O_{14}$ MW 807.00	4	**1 g** **5 g**	42.— 200.—	
3046	**Acetyldigoxin** $C_{43}H_{66}O_{15}$ MW 823.00	4	**1 g**	79.—	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
147	**Acetylenedicarboxylic acid** for synthesis (ORG) $C_4H_2O_4$ MW 114.06	1.5		10 g	9.—	
	Acetylene tetrabromide see 1,1,2,2-Tetrabromoethane					
	Acetylene tetrachloride see 1,1,2,2-Tetrachloroethane					
	O-Acetyl-*O'*-ethyl-(diethylene glycol) see Diethylene glycol ethyl ether acetate					
	2-Acetylfuran see 2-Furyl methyl ketone					
1422	*N*-**Acetyl-D-glucosamine** for biochemistry (LAB) $C_8H_{15}NO_6$ MW 221.21	2	P	5 g	9.—	
110	**2-Acetyl-4-hydroxybutyric acid lactone** for synthesis (ORG) $C_6H_8O_3$ MW 128.13 1 l = 1.18 kg			100 ml	6.25	
148	**3-Acetylindol** for synthesis (ORG) $C_{10}H_9NO$ MW 161.21			25 g	76.—	
500984	**Acetyl-DL-methionine** pure $C_7H_{13}NO_3S$ MW 191.25 TYPE ANALYSIS: Assay (acidimetric; on dried substance) . . . 99% Melting-range . . . 113–117° C (within 2°) Chloride (Cl) . . . 0.001 % Sulfate (SO_4) . . . 0.01 % Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.0005 % Ammonium (NH_4) . 0.0005 % Sulfated ash . . . 0.1 % Water (acc. to Karl Fischer) . . 0.5 %	1.7		1 kg 5 kg 25 kg	23.75 112.50	price on application
1414	**4-Acetylmorpholine** for synthesis (ORG) $C_6H_{11}NO_2$ MW 129.16 1 l = 1.12 kg			100 ml	6.—	
94	*N*-Acetyl-L-phenylalanyl-3,5-diiodo-L-tyrosine for biochemistry (LAB) $C_{20}H_{20}I_2N_2O_5$ MW 622.20	3		1 g	15.75	
	3-Acetylpropionic acid see Levulinic acid					
155	**3-Acetylpyridine** for synthesis (ORG) C_7H_7NO MW 121.14 1 l = 1.10 kg			25 ml	16.75	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
156		**4-Acetylpyridine** for synthesis (ORG) C_7H_7NO MW 121.14 1 l = 1.10 kg		25 ml	23.75	
85		**o-Acetylsalicylic acid** DAB 7, BP 1968, Cod Franç 1949, Ph Internat I, USP XVI $C_9H_8O_4$ MW 180.16	1.3	500 g 1 kg 5 kg 50 kg	5.25 9.25 40.—	250 kg 6.90 6.80
		3-Acetyltetrahydro-2-furanone see 2-Acetyl-4-hydroxybutyric acid lactone				
175	•I•	**2-Acetylthiophene** for synthesis (ORG) C_6H_6OS MW 126.18 1 l = 1.17 kg		25 ml	8.50	
83		*N*-**Acetyl-L-tyrosine ethyl ester** for biochemistry (LAB) $C_{13}H_{16}NO_4$ MW 250.28	1	5 g	22.—	
		Acilit® see page 667/668				
176		*cis*-**Aconitic acid** for synthesis (ORG) $C_6H_6O_6$ MW 174.11	1.5	1 g	30.—	
1333		**Acridine orange** (C.I. No. 46 005, S. No. 902) for microscopy $C_{17}H_{20}Cl_3N_3Zn$ MW 438.10	2.5	25 g	6.30	
178	•I•	**Acrolein** for synthesis (ORG) stabilised with 0.2% hydroquinone C_3H_4O MW 56.06 1 l = 0.84 kg		500 ml 1 l	8 14	
830		**Acrylamide** for synthesis (ORG) C_3H_5NO MW 71.08	2	1 kg	15.25	
181	•I•	**Acrylic acid** for synthesis (ORG) stabilised with 200 ppm hydroquinone monomethyl ether $C_3H_4O_2$ MW 72.06 1 l = 1.06 kg		500 ml 1 l	11.50 20.50	
834	•I•	**Acrylonitrile** for synthesis (LAB) $CH_2=CHCN$ MW 53.06 1 l = 0.80 kg TYPE ANALYSIS: Assay (gas chromatographic) . . . . 98% d 20°/4° . . . . . 0.805–0.807 Refractive index ($n_D^{20°}$) . . . . . 1.391–1.393 Boiling-range (95%) 75–79° C		aluminium bottle 1¼ l	13.75	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
826	•i•	**Acryloyl chloride** for synthesis (ORG) stabilised with 0.1% CuCl C_3H_3ClO MW 90.51 1 l = 1.14 kg			100 ml	19.50	
1337		**1-Adamantanecarboxylic acid** for synthesis (ORG) $C_{11}H_{16}O_2$ MW 180.25	4		5 g	8.	
1339		**1-Adamantanol** for synthesis (ORG) $C_{10}H_{16}O$ MW 152.24	1		5 g	16.75	
838		**Adenine** for biochemistry (LAB) $C_5H_5N_5$ MW 135.13 TYPE ANALYSIS: Assay (ex N; on dried substance) . . . . 99% Chloride (Cl) . . . . 0.01 % Sulfate (SO_4) . . . . 0.01 % Heavy metals (as Pb) 0.002 % Iron (Fe) . . . . . 0.002 % Loss on drying (105° C) . . . . . 1 % Sulfated ash . . . . 0.1 %	3.8		1 g 5 g	3.50 9.50	
837	†	**Adenine** $C_5H_5N_5$ MW 135.13	3.8	P	10 g 500 g	13.— 450.—	
		Adenine 9-D-Ribofuranoside see Adenosine					
840		**Adeninium sulfate** for biochemistry (LAB) $C_{10}H_{12}N_{10}O_4S$ MW 368.34 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.5	P	10 g 500 g	13.— 450.—	

			Volume			Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
						DM	DM
862		**Adenosine** for biochemistry (LAB) $C_{10}H_{13}N_5O_4$ MW 267.25			1 g 5 g 25 g	4.— 9.20 39.50	
861	†	**Adenosine** $C_{10}H_{13}N_5O_4$ MW 267.25	4	P	**25 g** **100 g**	**34.—** **121.—**	
1436		**Adenosine-5′-diphosphoric acid tribarium salt** [$(ADP)_2Ba_3$ (Ado-5′-P-P)$_2Ba_3$] for biochemistry (LAB) $C_{20}H_{24}Ba_3N_{10}O_{20}P_4$ MW 1260.38 This item has to be stored in a refrigerator at 0°C or below. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.			0.5 g	18.-	
1437		**Adenosine-5′-diphosphoric acid trisodium salt** ($ADPNa_3$, Ado-5′-P-PNa_3) for biochemistry (LAB) $C_{10}H_{12}N_5Na_3O_{10}P_2$ MW 493.15 This item has to be stored in a refrigerator at 0°C or below. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.			0.5 g	15.50	
869	○	**Adenosinemonophosphoric acid** (mixture of Ado-2′-P and Ado-3′-P) for biochemistry (LAB) $C_{10}H_{14}N_5O_7P$ MW 347.23 This item has to be stored in a refrigerator. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	2.8		1 g	13.25	
1425		**Adenosine-2′-monophosphoric acid** (Ado-2′-P) free from Ado-3′-P for biochemistry (LAB) $C_{10}H_{14}N_5O_7P$ MW 347.23 This item has to be stored in a refrigerator. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.			0.25 g	10.	
1426		**Adenosine-3′-monophosphoric acid** (Ado-3′-P) free from Ado-2′-P for biochemistry (LAB) $C_{10}H_{14}N_5O_7P$ MW 347.23 This item has to be stored in a refrigerator. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	1.5		0.25 g	11.50	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1427 ○	**Adenosine-5′-monophosphoric acid** (Ado-5′-P) for biochemistry (LAB) $C_{10}H_{14}N_5O_7P$ MW 347.23 This item has to be stored in a refrigerator. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	5		5 g 25 g	6.80 27.75	
868 ○ †	**Adenosine-5′-monophosphoric acid** (Ado-5′-P) $C_{10}H_{14}N_5O_7P$ MW 347.23 This item has to be stored in a refrigerator. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	5	P	5 g 25 g	6.— 23.—	
1428 ○	**Adenosine-5′-monophosphoric acid disodium salt** (Ado-5′-PNa_2) for biochemistry (LAB) $C_{10}H_{12}N_5Na_2O_7P$ MW 391.19 This item has to be stored in a refrigerator. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	5		1 g 5 g	4.50 14.75	
1433 ○	**Adenosine-5′-triphosphoric acid dibarium salt** ($ATPBa_2$, Ado-5′-P-P-PBa_2) for biochemistry (LAB) $C_{10}H_{12}Ba_2N_5O_{13}P_3$ MW 777.83 This item has to be stored in a refrigerator at 0°C or below. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.			1 g	7.50	
1432 ○	**Adenosine-5′-triphosphoric acid disodium salt** ($ATPNa_2$, Ado-5′-P-P-PNa_2) for biochemistry (LAB) $C_{10}H_{14}N_5Na_2O_{13}P_3$ MW 551.15 This item has to be stored in a refrigerator at 0°C or below. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	5		1 g 5 g	5.80 20.—	
1434 ○	**Adenosine-5′-triphosphoric acid monobarium salt** (ATPBa, Ado-5′-P-P-PBa) for biochemistry (LAB) $C_{10}H_{14}BaN_5O_{13}P_3$ MW 642.51 This item has to be stored in a refrigerator at 0°C or below. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	2.5		1 g	10.75	

Adenylic acid see Adenosine monophosphoric acid

Adermine hydrochloride see Pyridoxol hydrochloride

Adermine phosphate see Pyridoxol phosphate

			Volume		Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
					DM	DM
6747 0001		**Adhesive tape** for thin layer chromatography (for peeling off thin layer chromatograms with Neatan®)		1 roll (19 cm wide 25 m long)	24.75	
87		**Adipamide** for synthesis (ORG)	1.3	100 g	17.50	
90		**Adipic acid** pure $C_6H_{10}O_4$ MW 146.14	1.5	500 g 1 kg 5 kg 9051 50 kg	4.75 7.40 26.25	 4.10
88		**Adipic acid Selectipur®** $C_6H_{10}O_4$ MW 146.14	1.5	1 kg	price on application	
		Adipic acid piperazine salt see Piperazinium adipate				
92	•|•	**Adiponitrile** for synthesis (ORG) $C_6H_8N_2$ MW 108.14 1 l = 0.95 kg		250 ml	13.75	
89	•|•	**Adipoly dichloride** for synthesis (ORG) $C_6H_8Cl_2O_2$ MW 183.04 1 l = 1.24 kg		25 ml	8.50	
845	○	**Adonidin** standardized	3	5 g	35.75	
		Adonite see Adonitol				
846		**Adonitol** (ribitol) for bacteriology $C_5H_{12}O_5$ MW 152.15 see also Carbohydrate test leaflets	1.8	5 g	26.25	
852		**Adonitol** (ribitol) for biochemistry (LAB) $C_5H_{12}O_5$ MW 152.15	3	1 g	[illegible]	
847		**l-Adrenaline cryst.** DAB 7, BP 1963, Ph Ned VI, USP XVII $C_9H_{13}NO_3$ MW 183.21 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2.5	1 g 5 g 10 g 100 g	3.50 7.10 11.— 84.—	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8951	**Adrenosterone** (4-androstene-3,11,17-trione) for biochemistry (LAB) $C_{19}H_{24}O_3$ MW 300.40	3		0.1 g	23.75	
	Aesculin see Esculin					
1614	**Agar** purified and free from inhibitors for microbiology	1.8	bag	100 g 1 kg 5 kg	10.— 63.— 285.—	
1615	**Agar** powder DAB 6, BP 1953	1.9	P	100 g 250 g 1 kg	6.80 14.25 50.—	
	Agar for clostrides see Clostridium agar					
	Agar for fungi see Fungus agar					
95	**Agaricic acid** DAB 6 $C_{22}H_{40}O_7 \cdot 1.5\,H_2O$ MW 443.58	3.8	P	1 g 5 g 25 g	4.75 10.50 45.—	
	Agaricin see Agaricic acid					
850	**Ajmalicine** $C_{21}H_{24}N_2O_3$ MW 352.44	4		0.1 g 1 g	6.30 40.—	
1046	D-**Alanine** for biochemistry (LAB) $C_3H_7NO_2$ MW 89.09	3		5 g	18.—	
963	DL-**Alanine** for biochemistry (LAB) $C_3H_7NO_2$ MW 89.09 TYPE ANALYSIS: Assay (Perchloric acid titration; on dried substance) . . . 99% Melting-range . . . 270–290° C (within 2°) Chloride (Cl) . . . 0.01 % Sulfate (SO_4) . . . 0.01 % Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.001 % Ammonium (NH_4) . 0.0005 % Sulfated ash . . . . 0.1 % Water (acc. to Karl Fischer) . . 0.5 %	2	P	25 g 100 g 250 g 1 kg	4.25 10.50 23.75 price on application	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1006	**DL-Alanine** $C_3H_7NO_2$ MW 89.09	2	1 kg 5 kg	68.— 305.—	
1007	**L(+)Alanine** for biochemistry (LAB) $C_3H_7NO_2$ MW 89.09 TYPE ANALYSIS: Assay (Perchloric acid titration; on dried substance) . . . 99% Melting-range . . . 275–290° C (within 2°) Specific rotation ($[\alpha]_D^{20°}$; c = 5, 1 N HCl) + 14.0° to + 15.0° Chloride (Cl) . . . 0.01 % Sulfate (SO_4) . . . 0.01 % Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.001 % Ammonium (NH_4) . 0.0005 % Sulfated ash . . . . 0.1 % Water (acc. to Karl Fischer) . . 0.5 %	1.5	10 g 25 g 100 g 1 kg	5.— 9.— 28.25 price on application	
1008	**β-Alanine** for biochemistry (LAB) $C_3H_7NO_2$ MW 89.09 TYPE ANALYSIS: Assay (Perchloric acid titration; on dried substance) . . . 99% Melting-range about 195–205°C Chloride (Cl) . . . 0.005 % Sulfate (SO_4) . . . 0.005 % Heavy metals (as Pb) 0.001 % Ammonium (NH_4) . 0.001 % Iron (Fe) . . . . . 0.001 % Sulfated ash . . . . 0.1 % Water (acc. to Karl Fischer) . . 0.5 %	1.9	100 g 250 g 1 kg	5.80 12.— 40.—	
1013	**L(+)Alanine methyl ester hydrochloride** for synthesis (LAB) $C_4H_{10}ClNO_2$ MW 139.58	1	5 g	17.25	
1014 ○	**L-Alanine-4-nitroanilide hydrochloride** for biochemistry (LAB) $C_9H_{12}ClN_3O_3$ MW 245.67 Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	1.5	5 g	21.	
967	**Albumin** from eggs dry fine powder	2.1	250 g 1 kg 5 kg 25 kg	13.— 41.— 180.—	32.50
968	**Albumin** from eggs dry Erg B 6	1.3	250 g 1 kg 5 kg 25 kg	12.— 38.— 170.—	30.—

		Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Alcohol absolute see Ethanol			
1293	**Alcohol dehydrogenase** cryst. lyophilised 135 U./mg for biochemistry (LAB) This item has to be stored in a refrigerator. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	0.1 g	35.—	
	Alcohol stock solutions for determination of alcohol in blood acc. to Widmark		1 box (cont. 18 amp.)	10 boxes
8988/0001	Ampoules 0.5 mg in 1 ml		9.—	8.40
8991/0001	Ampoules 1.0 mg in 1 ml		9.—	8.40
9003/0001	Ampoules 2.0 mg in 1 ml		9.—	8.40
9008/0001	Ampoules 3.0 mg in 1 ml		9.—	8.40
9009/0001	Ampoules 4.0 mg in 1 ml		9.—	8.40
8985/0001	Large series box containing: 1 ampoule each of 0.8 mg in 1 ml 0.9 mg in 1 ml etc. up to 1.9 mg in 1 ml and 1 ampoule each of 2.0 mg in 1 ml 2.2 mg in 1 ml etc. up to 3.0 mg in 1 ml total of 18 ampoules of aqueous solution of ethanol		9.—	8.40
8986/0001	Small series box containing: 1 ampoule each of 1.3 mg in 1 ml 1.4 mg in 1 ml etc. up to 1.8 mg in 1 ml total of 6 ampoules of aqueous solution of ethanol		5.—	4.70

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8953	**Aldosterone** (11β,21-dihydroxy-3,20-dioxo-4-pregnen-18-al, 11→18 hemiacetal) for biochemistry (LAB) $C_{21}H_{28}O_5$ MW 360.45		10 mg	36.75	
1016	**Alizarin** (C.I. No. 58000, S. No. 1141) GR and indicator $C_{14}H_8O_4$ MW 240.22 pH 5.8–7.2 yellow to reddish violet		25 g 100 g	3.50	
	Alizarin Bordeaux see 1,2,5,8-Tetrahydroxyanthraquinone				
	Alizarin complexone see Alizarin-3-methylamine-*N,N*-diacetic acid				
	Alizarin S see Alizarinsulfonic acid sodium salt				
1010	**Alizarin-3-methylamine-*N,N*-diacetic acid** (dihydrate) for spectrophotometric determination of fluoride $C_{19}H_{15}NO_8 \cdot 2\,H_2O$ MW 421.36		10 g 50 g	14.— 63.—	
6279	**Alizarinsulfonic acid sodium salt** (C.I. No. 58005, S. No. 1145) GR and indicator $C_{14}H_7NaO_7S \cdot H_2O$ MW 360.28 pH 4.3–6.3 yellow to violet		25 g 100 g	3.75 8.75	
6776	**Alizarin yellow GG** (C.I. No. 14025, S. No. 55) indicator pH 10.0–12.1 light yellow to brownish yellow		5 g 25 g	4.50 14.75	
1269	**Alkali blue** for determination of acid and saponification values of lubricants		25 g	4.75	
1271	**Alkali blue** (C.I. No. 42750, S. No. 813) indicator		25 g 100 g	4.75 14.75	
	Alkali stock solution see Titrisol® for the determination of lithium, potassium and sodium acc. to Schuhknecht and Schinkel				
	Alkalit® see page 667/668				
8006 0001	**Alkaloids and glycosides** reference substances for chromatography **Alkaloids** Atropinium sulfate Hordeninium sulfate Noscapinium chloride Papaverinium chloride Pilocarpinium chloride Scopolaminium bromide Sparteinium sulfate **Glycosides** Esculin Khellolglucoside g-Strophanthin		1 Serie	23.75	

Alkaloids and Glycosides:

Acetyldigitoxin
Adonidin
Ajmalicine
Aloin amorphous
Arecolinium bromide
Atropine
Atropinium sulfate

Boldine
Boldinium chloride

Caffeine
Caffeine citrate
Caffeine sodium benzoate
Caffeine sodium salicylate
Cinchonine
Cinchoninium chloride
Cocainium chloride
Codeine
Codeinium chloride
Codeinium phosphate
Codeinium sulfate
Colchicine
Convallatoxin

Digitalin
Digitonin
Digitoxigenin
Digitoxin
Digoxin
Dihydrocodeinone hydrogen tartrate
Dihydroergotaminium tartrate

l-Ephedrine
l-Ephedrinium chloride
dl-Ephedrinium chloride
l-Ephedrinium sulfate
Ergometrinium maleate
Ergotaminine
Ergotaminium tartrate
Escin
Esculin
Ethylmorphinium chloride

Gitoxin
Glycyrrhizin ammoniated

Hesperidin
Hesperidin methylchalcone
Hesperidin phosphate sodium salt
Homatropinium bromide
Hordeninium sulfate
Hydrastininium chloride

l-Hyoscyamine
l-Hyoscyaminium bromide
l-Hyoscyaminium sulfate

Lanatoside A, B and C

Mescalinium sulfate
N-Methylatropinium bromide
N-Methylatropinium nitrate
N-Methylhomatropinium bromide
N-Methylhomatropinium nitrate
N-Methylscopolaminium bromide
N-Methylscopolaminium nitrate
Morphinium chloride
Morphinium sulfate

Neostigminium bromide
Neostigminium methylsulfate
Noscapine (narcotine)

Papaverine
Papaverinium chloride
Physostigmine
Physostigminium salicylate
Physostigminium sulfate
Pilocarpinium chloride
Pilocarpinium nitrate
Podophyllin
Procainium chloride

Quinidinium sulfate
Quinine

Rauwolfia serpentina total alkaloid
Reserpine
Rutin

Santonin
Saponin
Scopolaminium bromide
Sparteinium sulfate
k-Strophanthidin
g-Strophanthin
k-Strophanthin
k-Strophanthoside
Strychnine
Strychninium nitrate
Strychninium sulfate

Theophylline
Theophylline ethylenediamine

Veratrine
Veratrinium sulfate

Yohimbine
Yohimbinium chloride

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1018		**Allantoin** fine powder $C_4H_6N_4O_3$ MW 158.12	1.5		100 g 1 kg 5 kg 50 kg	6.— 38.— 169.—	price on application
1023		**Allobarbital** (5,5-diallylbarbituric acid) NF X $C_{10}H_{12}N_2O_3$ MW 208.22	1.9		1 kg 50 kg	prices on application	
8954		**Allodihydrocortisone** (17α, 21-dihydroxy-5α-pregnane-3,11,20-trione) for biochemistry (LAB) $C_{21}H_{30}O_5$ MW 362.47	2		0.1 g	13.25	
8955		**Allopregnanediol** (5α-pregnane-3α, 20α$_F$-diol) for biochemistry (LAB) $C_{21}H_{36}O_2$ MW 320.52	2		0.1 g	36.75	
1020	○	**Alloxan** (tetrahydrate) $C_4H_2N_2O_4 \cdot 4\,H_2O$ MW 214.13	1.3		10 g 25 g 100 g	5.— 9.75 31.—	
		Alloy acc. to Arnd see Arnd's alloy					
		Alloy acc. to Devarda see Devarda's alloy					
		Alloy acc. to Wood see Wood's metal					
1456	◆	**Allyl acrylate** for synthesis (ORG) stabilised with 200 ppm hydroquinone $C_6H_8O_2$ MW 112.13	1 l = 0.93 kg		25 ml	9.50	
974	◆	**Allyl alcohol** for synthesis (LAB) $CH_2{=}CHCH_2OH$ MW 58.08	1 l = 0.85 kg		1 l	11.—	
256	◆	**Allylamine** for synthesis (ORG) C_3H_7N MW 57.10	1 l = 0.76 kg		250 ml	10.25	
		5-Allyl-1,3-benzodioxole see Safrole					
1021	◆	**Allyl bromide** for synthesis (ORG) C_3H_5Br MW 120.98	1 l = 1.43 kg		250 ml	12.50	
257	◆	**Allyl chloride** for synthesis (ORG) C_3H_5Cl MW 76.53	1 l = 0.94 kg		1 l		

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
258	**Allyl cyanide** for synthesis (ORG) C_4H_5N MW 67.09 1 l = 0.83 kg			100 ml	11.25	
	4-Allyl-1,2-dimethoxybenzene see Eugenol methyl ether					
	Allyl 2,3-epoxypropyl ether see Glycidol allyl ether					
	Allyl glycidyl ether see Glycidol allyl ether					
580	**Allyl methacrylate** for synthesis (ORG) stabilised with 0.05% hydroquinone $C_7H_{10}O_2$ MW 126.16 1 l = 0.93 kg			250 ml 1 l	10.50 32.50	
	2-(Allyloxy)-ethanol see Ethylene glycol monoallyl ether					
260	**Allyl** *iso*-**thiocyanate** for synthesis (ORG) C_4H_5NS MW 99.16 1 l = 1.02 kg			250 ml	10.50	
8158	***N*-Allylthiourea** $CH_2=CHCH_2NHCSNH_2$ MW 116.19	1.9		50 g 250 g	5.50 20.50	
	4-Allylveratrol see Eugenol methyl ether					
	Aloe extract see Extract of aloe					
1026	**Aloin** amorphous (aloetin)	2		100 g 1 kg 5 kg	6.80 48.— 210.—	
	Alum ammonium see Ammonium aluminium sulfate					
	Alum chrome see Potassium chromium(III) sulfate					
	Alum iron see Ammonium iron(III) sulfate					
	Alum potassium see Potassium aluminium sulfate					

			Volume		Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
					DM	DM
1057		**Aluminium** foil GR Al AW 26.98 CERTIFICATE OF GUARANTEE: Nitrogen total (N) max. 0.005 %; Silicium (Si) max. 0.02 %; Copper (Cu) max. 0.005 %; Iron (Fe) max. 0.006 %; Manganese (Mn) max. 0.002 %; Zinc (Zn) max. 0.005 %; Titanium (Ti) max. 0.005 %; Arsenic (As) max. 0.0002 %			250 g 1 kg	7.50 23.—	
1056	•I•	**Aluminium** fine powder (aluminium bronze) Al AW 26.98 TYPE ANALYSIS: Assay of Al (chelatometric) 90 %; Heavy metals (as Pb) 0.03%; Iron (Fe) 0.5 %; Arsenic (As) 0.0005 %; Fat 1 %	2.2		**250 g** **1 kg** **5 kg**	5.25 15.75 63.—	
1055	•I•	**Aluminium** fine powder (aluminium bronze) Al AW 26.98 TYPE ANALYSIS: Assay of Al (chelatometric) 90 %; Heavy metals (as Pb) 0.03%; Iron (Fe) 0.5 %; Arsenic (As) 0.0005 %; Fat 1 %	2.2		**25 kg**		10.—
		Aluminium acetate basic see Aluminium hydroxide acetate				
1059		**Aluminium acetylacetonate** for synthesis (LAB) $C_{15}H_{21}AlO_6$ MW 324.31	1.5		100 g 500 g	10.50 42.	
		Aluminium ammonium sulfate see Ammonium aluminium sulfate				
1853		**Aluminium bismuth hydroxide carbonate**	6	P	**1 kg** **5 kg**	56.— 262.50	
1068		**Aluminium bromide** anhydrous for synthesis (LAB) $AlBr_3$ MW 266.71 TYPE ANALYSIS: Assay of $AlBr_3$ (chelatometric) 97 %; Sulfate (SO_4) 0.05 %; Heavy metals (as Pb) 0.005 %; Iron (Fe) 0.05 %	0.75		100 g	10	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1073	•I•	**Aluminium *tert*-butylate** for synthesis (LAB) $C_{12}H_{27}AlO_3$ MW 246.33 TYPE ANALYSIS: Assay (ex Al) . . . 80% Free *tert*-butanol (gas chromatographic) . . . . . 18% Substances insoluble in benzene . . . 6,4%	2.5		100 g 500 g	17.— 68.—	
1082	•I•	**Aluminium chloride** anhydrous, sublimed for synthesis (LAB) $AlCl_3$ MW 133.34 TYPE ANALYSIS: Assay (argentometric) . . . . . 97 % Sulfate (SO_4) . . . . 0.05 % Heavy metals (as Pb) 0.005 % Iron (Fe) . . . . . 0.05 %	1		100 g 500 g 1 kg 5 kg 50 kg	3. 5.25 8.10 32.	4.20
1081	•I•	**Aluminium chloride** anhydrous, sublimed powdered for synthesis (LAB) $AlCl_3$ MW 133.34 TYPE ANALYSIS: Assay of $AlCl_3$ (chelatometric) . . 97 % Sulfate (SO_4) . . . . 0.05 % Heavy metals (as Pb) 0.005 % Iron (Fe) . . . . . 0.05 %	1		100 g 500 g 1 kg 50 kg	3.25 5.50 8.40	4.40
1084		**Aluminium chloride** cryst. extra pure $AlCl_3 \cdot 6\,H_2O$ MW 241.45 TYPE ANALYSIS: Assay of $AlCl_3 \cdot 6\,H_2O$ (chelatometric) . . 99 % Sulfate (SO_4) . . . . 0.01 % Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.0005 % Arsenic (As) . . . . 0.0004 % Substances not precipitated by ammonia (as sulfates) . . . 0.2 %	1.4	P	500 g 1 kg 5 kg 50 kg	6.30 9.75 41.—	5.50
1080		**Aluminium chloride** cryst. pure $AlCl_3 \cdot 6\,H_2O$ MW 241.45 TYPE ANALYSIS: Assay of $AlCl_3 \cdot 6\,H_2O$ (chelatometric) . . 98.5 % Sulfate (SO_4) . . . . 0.01 % Heavy metals (als Pb) 0.002 % Iron (Fe) . . . . . 0.005 % Substances not precipitated by ammonia (as sulfates) . . . 0.3 %	1.3	P	1 kg 5 kg 50 kg	9.25 37.75	5.30

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1083	**Aluminium chloride** cryst. purified $AlCl_3 \cdot 6\,H_2O$ MW 241.45 TYPE ANALYSIS: Assay of $AlCl_3 \cdot 6\,H_2O$ (chelatometric) . . 98 % Sulfate (SO_4) . . . 0.02 % Heavy metals (as Pb) 0.005 % Iron (Fe) . . . . . 0.01 % Substances not precipitated by ammonia (as sulfates) . . . 0.6 %	1.4	P □	1 kg 5 kg 50 kg	8.50 32.50	4.90
1093	**Aluminium hydroxide** fine powder extra pure (predominantly γ-aluminium hydroxide) $Al(OH)_3$ MW 78.00	1.6	□ □	1 kg 5 kg 50 kg	8.— 31.50	5.—
1091	**Aluminium hydroxide** powder pure (predominantly γ-aluminium hydroxide) $Al(OH)_3$ MW 78.00	0.9	□ □	1 kg 5 kg 50 kg	6.30 24.75	3.95
1071	**Aluminium hydroxide acetate** (aluminium acetate basic) powder pure	2.6	P □	500 g 1 kg 5 kg 9026 25 kg	6.80 11.50 47.25	8.30
	Aluminium hydroxide chloride-allantoin see Chlorohydroxyaluminium allantoinate					
1088	**Aluminium hydroxide gel** dried	7.5	P □	1 kg 5 kg 20 kg 5 x 20 kg	15.75 68.—	12.50 11.90
1089	**Aluminium hydroxide gel** dried heavy	4	P □	1 kg 5 kg 25 kg 5 x 25 kg	15.75 68.—	12.50 11.90
	Aluminium hydroxyallantoinate see Dihydroxyaluminium allantoinate					
1063	**Aluminium nitrate** GR $Al(NO_3)_3 \cdot 9\,H_2O$ MW 375.13 CERTIFICATE OF GUARANTEE: Assay of $Al(NO_3)_3 \cdot 9\,H_2O$ min. 98.5 % Chloride (Cl) . . . max. 0.001 % Sulfate (SO_4) . . max. 0.005 % Heavy metals (as Pb) . . . . max. 0.001 % Iron (Fe) . . . . . max. 0.002 % Calcium (Ca) . . . max. 0.005 % Sodium (Na) . . . max. 0.005 % Potassium (K) . . max. 0.002 %		P 1 kg	500 g	5.50 9.50	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1086	**Aluminium nitrate** cryst. pure $Al(NO_3)_3 \cdot 9\,H_2O$ MW 375.13 TYPE ANALYSIS: Assay of $Al(NO_3)_3 \cdot 9\,H_2O$ (chelatometric) . . 95 % Chloride (Cl) . . . . 0.005 % Sulfate (SO_4) . . . . 0.03 % Heavy metals (als Pb) 0.005 % Iron (Fe) . . . . . 0.01 % Substances not precipitated by ammonia solution (as sulfates) . . . . 0.5 %	1.1	P □	1 kg 5 kg 50 kg	6.60 26.25	3.30
	Aluminium oxide for thin layer chromatography*					
1090	**Aluminium oxide G** (type E) for thin layer chromatography Al_2O_3 MW 101.96 TYPE ANALYSIS: Content of $CaSO_4$ about 10 % Iron (Fe) . . . . . 0.02 % Cloride (Cl) . . . . . 0.02 % pH of a 10% aqueous slurry 7.5 Mean particle size of the adsorbent . . . . . 10–40 µ	1.6	P □	250 g 1 kg 5 kg 25 kg	6.30 18.50 80.—	13.50
1092	**Aluminium oxide GF_{254}** (type E) for thin layer chromatography	1.6	P	250 g 1 kg	7.10 22.—	
1085	**Aluminium oxide H** basic (type E) for thin layer chromatography	1.6	P	250 g 1 kg 5 kg	6.30 18.50 80.—	
1094	**Aluminium oxide HF_{254}** basic (type E) for thin layer chromatography	1.6	P	250 g 1 kg	7.10 22.—	
1105	**Aluminium oxide** basic (type T) for thin layer chromatography Al_2O_3 MW 101.96		P	250 g 1 kg	6.30 18.50	
1101	**Aluminium oxide** neutral (type T) for thin layer chromatography Al_2O_3 MW 101.96	2.1	P	250 g 1 kg	6.30 18.50	
1106	**Aluminium oxide** acidic (type T) for thin layer chromatography Al_2O_3 MW 101.96	2.3	P	250 g 1 kg	6.30 18.50	

* In the case of adsorbents in powder form the letter "G" indicates that the material contains gypsum as binder. Grades with the letter "H" contain neither gypsum nor organic binders. "F" indicates the presence of fluorescent indicators; the figures in the subscripts give the wavelengths at which these additives fluoresce. Grades with the letter "P" are intended for preparative layer chromatography. "R" indicates specially purified adsorbents.

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	TLC plates Aluminium oxide*, pre-coated				
5713 0025	**TLC plates Aluminium oxide F_{254}** (type E) pre-coated 20 cm x 20 cm layer thickness 0.25 mm		pack of 25 plates 10 packs 25 packs		
5731 0100	**TLC plates Aluminium oxide F_{254}** (type E) pre-coated 5 cm x 20 cm layer thickness 0.25 mm		pack of 100 plates 10 packs 25 packs		
5727 0025	**TLC plates Aluminium oxide F_{254}** (type T) pre-coated 20 cm x 20 cm layer thickness 0.25 mm		pack of 25 plates 10 packs 25 packs		
5732 0100	**TLC plates Aluminium oxide F_{254}** (type T) pre-coated 5 cm x 20 cm layer thickness 0.25 mm		pack of 100 plates 10 packs 25 packs		
	TLC Aluminium sheets*, pre-coated				
5550 0025	**TLC aluminium sheets Aluminium oxide neutral F_{254}** (type E) pre-coated 20 cm x 20 cm layer thickness 0.20 mm		pack of 25 sheets 10 packs 25 packs		
5551 0025	**TLC aluminium sheets Aluminium oxide neutral F_{254}** (type T) pre-coated 20 cm x 20 cm layer thickness 0.20 mm		pack of 25 sheets 10 packs 25 packs		

* In the case of pre-coated items for TLC and PLC the designations "G", "H" or "P" used after the adsorbents in their powder form are dispensed with. The coatings of the items (plates, aluminium foil, plastic sheets) consist of the same basic material as the corresponding absorbents in powder form. Addition of gypsum is not necessary; the abrasion-resistance of all the pre-coated items is achieved by means of small amounts of an inert and at the same time highly effective binder. The letter "F" indicates the presence of a fluorescent indicator; the figures in the subcripts give the wavelength at which these indicators fluoresce.

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Aluminium oxide* for preparative layer chromatography					
1103	**Aluminium oxide PF_{254}** (type E) for preparative layer chromatography	1.6	P	1 kg 5 kg	21.— 95.—	
1104	**Aluminium oxide $PF_{254+366}$** (type E) for preparative layer chromatography	1.6	P	1 kg 5 kg	22.— 100.—	
1064	**Aluminium oxide PF_{254}** (type T) for preparative layer chromatography	1.3	P	1 kg 5 kg	21.— 95. –	
1065	**Aluminium oxide $PF_{254+366}$** (type T) for preparative layer chromatography	1.5	P	1 kg 5 kg	22.— 100.—	

* In the case of adsorbents in powder form the letter "G" indicates that the material contains gypsum as binder. Grades with the letter "H" contain neither gypsum nor organic binders. "F" indicates the presence of fluorescent indicators; the figures in the subscripts give the wavelengths at which these additives fluoresce. Grades with the letter "P" are intended for preparative layer chromatography.

PLC plates

5726 0012	**PLC plates Aluminium oxide F_{254}** (type T) pre-coated 20 cm x 20 cm for preparative layer chromatography layer thickness 1.5 mm	pack of 12 plates 10 packs 25 packs	42.— 41.— 40.—	

In the case of pre-coated items for TLC and PLC the designations "G", "H" or "P" used after the adsorbents in their powder form are dispensed with. The coatings of the items (plates, aluminium foil, plastic sheets) consist of the same basic material as the corresponding absorbents in powder form. Addition of gypsum is not necessary; the abrasion-resistance of all the pre-coated items is achieved by means of small amounts of an inert and at the same time highly effective binder. The letter "F" indicates the presence of a fluorescent indicator; the figures in the subcripts give the wavelength at which these indicators fluoresce.

Aluminium oxide for column chromatography

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1076	**Aluminium oxide** active basic (activity I) for column chromatography Al_2O_3 MW 101.96	1.1	2.25 kg aluminium can 25 kg		10.25
1067	**Aluminium oxide** active basic (type E, activity I) for column chromatography Al_2O_3 MW 101.96	1.1	225 g 900 g 2.25 kg		
1077	**Aluminium oxide** active neutral (activity I) for column chromatography Al_2O_3 MW 101.96	1.1	250 g 1 kg 2½ kg aluminium can 25 kg		10.25
1078	**Aluminium oxide** active acidic (activity I) for column chromatography Al_2O_3 MW 101.96	1.1	2.25 kg aluminium can 25 kg		10.25
1066	**Aluminium oxide** acidic for determination of morphine acc. to Ph Internat II Al_2O_3 MW 101.96	1.1	225 g 900 g		
1097	**Aluminium oxide** standardized for chromatographic adsorption analysis acc. to Brockmann (activity II–III) Al_2O_3 MW 101.96	1	500 g 1 kg 5 kg 50 kg		5.25
1062	**Aluminium oxide** tablets **Patinal**® one tablet about 0.6 g		100 g 1 kg	70.— price on application	
1095	**Aluminium oxide** anhydrous extra pure (γ-alumina) Al_2O_3 MW 101.96 TYPE ANALYSIS: Chloride (Cl) . . . . 0.015 % Sulfate (SO_4) . . . . 0.05 % Iron (Fe) . . . . . 0.03 % Arsenic (As) . . . . 0.0005 % Loss on ignition . . . 1.0 %	1.2	500 g 1 kg 5 kg 50 kg	5.— 8.— 29.—	4.50

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1099	**Aluminium phosphate** basic **Selectipur®**	6	5 kg 20 kg	prices on application	
1098	**Aluminium phosphate** basic	6	1 kg 5 kg 20 kg	12.50 53.—	 9.—
	Aluminium potassium sulfate see Potassium aluminium sulfate				
1079	**Aluminium *iso*-propylate** for synthesis (LAB) $C_9H_{21}AlO_3$ MW 204.25 TYPE ANALYSIS: Assay (ex Al) . . . 95% Melting-point . . . 136–138° C Boiling-range (95%; 12 mm) . . 137–144° C		250 g	12.75	
1107	**Aluminium stearate**	4	1 kg 5 kg 9026/25 kg	7.60 31.—	 4.30
	Aluminium subacetate see Aluminium hydroxide acetate				
1102	**Aluminium sulfate** cryst. pure DAB 7 $Al_2(SO_4)_3 \cdot 18\,H_2O$ MW 666.42 TYPE ANALYSIS: Assay of $Al_2(SO_4)_3 \cdot 18\,H_2O$ (chelatometric) . . 99 % Free acid (as H_2SO_4) 0.025 % Heavy metals (as Pb) 0.002 % Iron (Fe) . . . . . 0.005 % Calcium (Ca) . . . . 0.02 % Potassium (K) . . . . 0.2 % Ammonium (NH_4) . . 0.003 % Arsenic (As) . . . . 0.001 %	1.5	1 kg 5 kg 50 kg	5.25 18.50	 2.40
1100	**Aluminium sulfate** twice purified $Al_2(SO_4)_3 \cdot 18\,H_2O$ MW 666.42 TYPE ANALYSIS: Assay of $Al_2(SO_4)_3 \cdot 18\,H_2O$ 98 % Heavy metals (as Pb) 0.005 % Iron (Fe) . . . . . 0.007 % Arsenic (As) . . . . . 0.001 %	1.1	5 kg 9051/50 kg	10.—	 1.20
	Aluminon see Aurin tricarboxylic acid ammonium salt				
1248	**Amaranth** (C. I. No. 16185, A. No. 212) food dye E 123 $C_{20}H_{11}N_2Na_3O_{10}S_3$ MW 604.48		100 g	8.—	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1167	**Amido black 10 B** (C. I. No. 20 470, S. No. 299) for electrophoresis and redox indicator	1.5		25 g 100 g 1 kg	4.25 11.— 87.—	
1166	**Amido black 10 B** (C. I. No. 20 470, S. No. 299) for analysis of milk	1.5		25 g 100 g	4.25 11.—	
1165	**Amido black 10 B solution** for serum electrophoresis 1 l = 0.82 kg			1 l 2½ l	5.70 10.75	
	Amidol see 4-Hydroxy-*m*-phenylenediammonium dichloride					
	Amidopyrine see Dimethylaminophenazone					
103	**Amidosulfonic acid** GR H_2NSO_3H MW 97.09 CERTIFICATE OF GUARANTEE: Assay (HSO_3NH_2) min. 99.5 % Chloride (Cl) . max. 0.001 % Sulfate (SO_4) . max. 0.02 % Nitrate (NO_3) . max. 0.002 % Heavy metals (as Pb) . . . max. 0.0005 % Iron (Fe) . . . . max. 0.0005 % Residue on ignition . . max. 0.02 %	0.77	P	100 g 250 g	6.10 15.50	
	Amidosulfonic acid ammonium salt see Ammonium amidosulfonate					
368	**Aminoacetaldehyde dimethyl acetal** for synthesis (ORG) $C_4H_{11}NO_2$ MW 105.14 1 l = 0.98 kg			25 ml	14.75	
262	*p*-**Aminoacetanilide** for synthesis (ORG) $C_8H_{10}N_2O$ MW 150.18			250 g	11.50	
	Aminoacetic acid see Glycine					

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8008/0001	**Amino acids analysis** acc. to Stein and Moore Reagent kit I Brij® 35 1 x 1 kg Caprylic acid 1 x 100 ml Ethylene glycol monomethyl ether 24 x 2½ l Ninhydrin 15 x 100 g Quat® 316 1 x 50 g Sodium acetate 3 x 5 kg *tri*-Sodium citrate 2-hydrate 2 x 5 kg 2,2'-Thiodiethanol 10 x 100 ml Tin(II) chloride 1 x 100 g		kit	1300.—	
8009/0001	Reagent kit II Brij® 35 1 x 1 kg Caprylic acid 1 x 100 ml Ninhydrin 15 x 100 g Quat® 316 1 x 50 g Sodium acetate 3 x 5 kg *tri*-Sodium citrate 2-hydrate 2 x 5 kg 2,2'-Thiodiethanol 10 x 100 ml Tin(II) chloride 1 x 100 g		kit	690.—	
	Amino acids reference substances for chromatography				
8003/0001	Collection A DL-α-Alanine L(+)Glutamic acid Glycine L-Leucine DL-Methionine DL-Serine DL-Threonine DL-Valine		collection	14.75	
8004/0001	Collection B L(+)Argininium monochloride L(+)Aspartic acid L-Histidinium monochloride L(+)Lysinium monochloride L(−)Proline L(−)Tyrosine		collection	16.75	
1112	**9-Aminoacridine hydrochloride** (monohydrate) $C_{13}H_{11}ClN_2 \cdot H_2O$ MW 248.71	2.8	P 100 g	35.75	
362	**2-Aminoanthraquinone** for synthesis (ORG) $C_{14}H_9NO_2$ MW 223.23	2	100 g	6.80	
	2-Aminobenzaldehyde phenylhydrazone see Nitrin				
1418	**4-Aminobenzamide** for synthesis (ORG) $C_7H_8N_2O$ MW 136.15	2	P 50 g	7.25	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
174	**2-Aminobenzenearsonic acid** standard for elementary analysis $C_6H_8AsNO_3$ MW 217.06 CERTIFICATE OF GUARANTEE: Carbon (C) . . . . . 33.2 % Hydrogen (H) . . . . . 3.7 % Nitrogen (N) . . . . . 6.4 % Oxygen (O) . . . . . 22.1 % Suitable for determination of C, H, N, O.			5 g	12.50	
467	**4-Aminobenzenearsonic acid** for synthesis (ORG) $C_6H_8AsNO_3$ MW 217.06			100 g	8.—	
	4-Aminobenzenesulfonamide see Sulfanilamide					
	3-Aminobenzenesulfonic acid see Metanilic acid					
	4-Aminobenzenesulfonic acid see Sulfanilic acid					
100	**2-Aminobenzoic acid** GR $C_7H_7NO_2$ MW 137.14 CERTIFICATE OF GUARANTEE: Assay . . . . . min. 99.5 % Melting-point . 146–147° C Substance insoluble in ethanol . . max. 0.01 % Total chlorine (as Cl) . . . . max. 0.01 % Sulfate (SO_4) . max. 0.01 % Lead (Pb) . . . max. 0.001 % Copper (Cu) . . max. 0.001 % Iron (Fe) . . . max. 0.001 % Sulfated ash . . max. 0.03 %	1.9	P	25 g 100 g	7.60 23.50	
104	**3-Aminobenzoic acid** for synthesis (ORG) $C_7H_7NO_2$ MW 137.14		P	100 g	7.50	
102	**4-Aminobenzoic acid** pure $C_7H_7NO_2$ MW 137.14	3.5-4.3	P 	250 g 1 kg 5 kg 25 kg	11.50 35.75 158.—	 26.25
1419	**2-Aminobenzonitrile** for synthesis (ORG) $C_7H_6N_2$ MW 118.14	1.5	P	50 g	17.50	
1420	**2-Aminobenzophenone** for synthesis (ORG) $C_{13}H_{11}NO$ MW 197.24	2	P	25 g	10.—	
	2-Aminobenzothiazole see 2-Benzothiazolylamine					

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
390	•|•	**2-Aminobenzotrifluoride** for synthesis (ORG) $C_7H_6F_3N$ MW 161.13	1 l = 1.30 kg		25 ml	11.—	
391	•|•	**3-Aminobenzotrifluoride** for synthesis (ORG) $C_7H_6F_3N$ MW 161.13	1 l = 1.30 kg		100 ml	12.—	
		N-(4-Aminobenzoyl)-aminoacetic acid see 4-Aminohippuric acid					
		3-Aminobenzylidyne trifluoride see Aminobenzotrifluoride					
1410	•|•	**2-Amino-1-butanol** for synthesis (ORG) $C_4H_{11}NO$ MW 89.14	1 l = 0.92 kg		100 ml	7.50	
		2-Aminobutyl alcohol see 2-Amino-1-butanol					
1629		**4-Aminobutyraldehyde diethyl acetal** about 90% for synthesis (ORG) $C_8H_{19}NO_2$ MW 161.25	1 l = 0.89 kg		25 ml 100 ml	22.— 77.—	
145		**6-Aminocaproic acid** for synthesis (ORG) $C_6H_{13}NO_2$ MW 131.18			250 g	12.—	
		2-Amino-4-chlorobenzoic acid see 4-Chloroanthranilic acid					
1312		**2-Amino-5-chlorobenzophenone** for synthesis (ORG) $C_{13}H_{10}ClNO$ MW 231.68			100 g	17.50	
2607	•|•	**3-Amino-4-chlorobenzotrifluoride** for synthesis (ORG) $C_7H_5ClF_3N$ MW 195.57	1 l = 1.42 kg		100 ml	18.50	
		3-Amino-4-chlorobenzylidyne trifluoride see 3-Amino-4-chlorobenzotrifluoride					
		2-Amino-5-chlorohydroquinone dimethyl ether see 4-Chloro-2,5-dimethoxyaniline					

		Volume		Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
				DM	DM
482	**5-Amino-4-chloro-2-methylbenzenesulfonic acid sodium salt** for synthesis (ORG) $C_7H_7ClNO_3SNa$ MW 243.66		250 g	10.50	
2609	**2-Amino-4-chlorophenol** for synthesis (ORG) C_6H_6ClNO MW 143.57		250 g	16.25	

2-Amino-4-chlorophenyl methyl ether
see 5-Chloro-2-methoxyaniline

Aminochloropyridine see Chloropyridylamine

4-Amino-5-chlorotoluenesulfonic acid, sodium salt
see 5-Amino-4-chloro-2-methylbenzenesulfonic acid, sodium salt

p-Amino-*o*-cresol see 5-Amino-2-methylphenol

4-Amino-*m*-cresol see 4-Amino-3-methylphenol

Aminocyclododecane see Cyclododecylamine

2-Amino-5-diethylaminotoluene hydrochloride
see Colour developer 2

4-Amino-*N*,*N*-diethylaniline hydrochloride
see *N*,*N*-Diethyl-*p*-phenylenediamine hydrochloride

4-Amino-*N*,*N*-diethylaniline sulfate
see *N*,*N*-Diethyl-*p*-phenylenediamine sulfate

4-Amino-*N*,*N*-dimethylaniline hydrochloride
see *N*,*N*-Dimethyl-*p*-phenylenediammonium dichloride

4-Amino-2,3-dimethyl-1-phenyl-5-pyrazolone
see 1-Phenyl-2,3-dimethyl-4-amino-5-pyrazolone

3-Amino-2,6-dimethylpyridine
see 2,6-Dimethyl-3-pyridylamine

2-Amino-4,5-dimethylthiazole
see 4,5-Dimethyl-2-thiazolylamine

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
405	**4-Aminodiphenylamine hydrochloride** for synthesis (ORG) $C_{12}H_{13}ClN_2$ MW 220.70	5	P	100 g	10.50	
	2-Aminoethanesulfonic acid see Taurine					
	2-Aminoethanethiol see Cysteamine					
	2-Aminoethanol see Ethanolamine					
	2-Amino-6-ethoxybenzothiazole see 6-Ethoxybenzothiazolyl-2-amine					
	2-(2-Aminoethylamino)-ethanol see *N*-(2-Aminoethyl)-ethanolamine					
	2-Aminoethylammonium 4-toluenesulfonate see Ethylenediamine mono-4-toluenesulfonate					
360	***N*-(2-Aminoethyl)-ethanolamine** for synthesis (ORG) $C_4H_{12}N_2O$ MW 104.15 1 l = 1.03 kg			250 ml	7.50	
	2-Amino-5-[*N*-ethyl-*N*-(2-methanesulfonamidoethyl)-diamino]-toluene sesquisulfate (monohydrate) see Colour developer 3					
	4-Amino-*N*-ethyl-*N*-(2-methanesulfonamidoethyl)-*m*-toluidine sesquisulfate (monohydrate) see Colour developer 3					
	N-(2-Aminoethyl)-morpholine see 2-Morpholinoethylamine					
	N-(2-Aminoethyl)-piperazine see 2-(1-Piperazinyl)-ethylamine					
	L-α-Aminoglutaric acid see L(+)Glutamic acid					
1417	**1-Aminoguanidinium hydrogen carbonate** for synthesis (ORG) $CH_6N_4H_2CO_3$ MW 136.11	2		250 g	11.—	
	2-Aminohexanoic acid see L-Norleucine					
	6-Aminohexanoic acid see 6-Aminocaproic acid					

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
84	**4-Aminohippuric acid** [*N*-(4-aminobenzoyl)-aminoacetic acid] (LAB) $C_9H_{10}N_2O_3$ MW 194.19 TYPE ANALYSIS: Assay (acidimetric; on dried substance) . . . . 99 % Chloride (Cl) . . . . 0.005 % Sulfate (SO_4) . . . . 0.01 % Iron (Fe) . . . . . 0.005 % Sulfated ash . . . . 0.1 % Water (acc. to Karl Fischer) . . . 0.5 %	2.5		25 g 100 g	14.75 50.—	
	Aminohydroquinone diethyl ether see 2,5-Diethoxyaniline					
	Aminohydroquinone dimethyl ether see 2,5-Dimethoxyaniline					
	4-Amino-2-hydroxybenzoic acid see 4-Aminosalicylic acid					
	2-Amino-2-(hydroxymethyl)-1,3-propanediol see Tris(hydroxymethyl)-aminomethane					
99	**1-Amino-2-hydroxynaphthalene-4-sulfonic acid** for determination of phosphorus $C_{10}H_9NO_4S$ MW 239.25			25 g 100 g	6.60 23.—	
	4-Amino-2-hydroxypyrimidine see Cytosine					
	4-Amino-2-hydroxytoluene see 5-Amino-2-methylphenol					
	2-Aminohypoxanthine see Guanine					
	4-Amino-4'-methoxydiphenylammonium sulfate see Variamine® blue					
8229	**2-Amino-5-methylbenzenesulfonic acid sodium salt** for synthesis (ORG) $C_7H_8NNaO_3S$ MW 209.20			100 g	5.25	
8228	**4-Amino-3-methylbenzenesulfonic acid sodium salt** for synthesis (ORG) $C_7H_8NNaO_3S$ MW 209.20			100 g	5.25	
	Aminomethylidyne trimethanol see Tris(hydroxymethyl)-aminomethane					
	4-Amino-2-methyl-1-naphthol hydrochloride (vitamin K_5) see 1-Hydroxy-2-methyl-4-naphthylammonium chloride					

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
416	**4-Amino-3-methylphenol** for synthesis (ORG) C_7H_9NO MW 123.16		P	50 g	18.—	
415	**5-Amino-2-methylphenol** for synthesis (ORG) C_7H_9NO MW 123.16			25 g	9.50	
1464	**2-Amino-2-methyl-1,3-propanediol** for synthesis (ORG) $C_4H_{11}NO_2$ MW 105.14	1	P	250 g	13.75	
1465	**2-Amino-2-methyl-1-propanol** for synthesis (ORG) $C_4H_{11}NO$ MW 89.14 1 l = 0.93 kg			250 ml	8.—	
385	**2-Amino-3-methylpyridine** for synthesis (ORG) $C_6H_8N_2$ MW 108.14 1 l = 1.07 kg			25 ml	7.50	
386	**2-Amino-4-methylpyridine** for synthesis (ORG) $C_6H_8N_2$ MW 108.14			25 g	7.50	
417	**2-Amino-6-methylpyridine** for synthesis (ORG) $C_6H_8N_2$ MW 108.14			100 g	15.25	
	(Aminomethyl)-pyridine see Picolylamine					
	1-Aminonaphthalene see 1-Naphthylamine					
1001	**6-Aminonicotinamide** for synthesis (ORG) $C_6H_7N_3O$ MW 137.14	2		5 g	22.50	
	2-Amino-4-nitrobenzoic acid see 4-Nitroanthranilic acid					
418	**2-Amino-4-nitrophenol** for synthesis (ORG) $C_6H_6N_2O_3$ MW 154.13			100 g	6.80	
419	**2-Aminophenol** for synthesis (ORG) C_6H_7NO MW 109.13			250 g	12.	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
420		**3-Aminophenol** for synthesis (ORG) C_6H_7NO MW 109.13		250 g 1 kg	6.80 21.50	
421		**4-Aminophenol** for synthesis (ORG) C_6H_7NO MW 109.13		250 g	12.–	
422		**4-Aminophenylacetic acid** for synthesis (ORG) $C_8H_9NO_2$ MW 151.17		10 g	14.—	
		Aminophenyl methyl ether see Anisidine				
		2-Amino-1-phenylpropane see *dl*-Amphetamine				
		2-Amino-3-phenylpropionic acid see DL-Phenylalanine				
1246		**5-Amino-*iso*-phthalic acid** for synthesis (ORG) $C_8H_7NO_4$ MW 181.15	2.5	100 g	12.25	
		Aminophylline see Theophylline ethylenediamine				
7476	•!•	**2-Aminopropane** for synthesis (ORG) C_3H_9N MW 59.11	1 l = 0.69 kg	1 l	9.50	
7020	•!•	**1-Amino-2-propanol** for synthesis (ORG) C_3H_9NO MW 75.11	1 l = 0.98 kg	1 l	9.50	
423		**3-Amino-1-propanol** for synthesis (ORG) C_3H_9NO MW 75.11	1 l = 0.99 kg	250 ml	9.50	
1009		DL-**2-Aminopropanol** for synthesis (ORG) C_3H_9NO MW 75.11	1 l = 0.96 kg	1 kg	10.—	
1011		L-**2-Aminopropanol** for synthesis (ORG) C_3H_9NO MW 75.11	1 l = 0.96 kg	1 kg	35.	
		Aminopropionic acid see Alanine				

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk pack fob incl. p Prices p DM
	3-Aminopropyl ethyl ether see 3-Ethoxypropylamine				
1442	**1-(3-Aminopropyl)-4-methylpiperazine** for synthesis (ORG) $C_8H_{19}N_3$ MW 157.26	1 l = 1.48 kg	100 ml	23.50	
	N-(3-Aminopropyl)-morpholine see 3-Morpholino-1-propylamine				
	1-(3-Aminopropyl)-piperazine see 3-(1-Piperazinyl)-propylamine				
	6-Aminopurine see Adenine				
1338	**2-Aminopyrazine** for synthesis (ORG) $C_4H_5N_3$ MW 95.10	2	10 g	14.75	
1113	**2-Aminopyridine** for synthesis (LAB) $C_5H_6N_2$ MW 94.12	1.6	100 g	9.50	
1110	**3-Aminopyridine** for synthesis (ORG) $C_5H_6N_2$ MW 94.12		25 g	13.25	
1111	**4-Aminopyridine** for synthesis (ORG) $C_5H_6N_2$ MW 94.12		10 g	9.—	
1270	**2-Aminopyrimidine** for synthesis (ORG) $C_4H_5N_3$ MW 95.10		100 g	10.50	
426	**4-Aminosalicylic acid** for synthesis (ORG) $C_7H_7NO_3$ MW 153.14		P 100 g	7.60	
	L-α-Aminosuccinic acid see L(+)Aspartic acid				

		Volume		Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
	2-Aminothiazole see 2-Thiazolylamine				
	Aminotoluene see Toluidine				
1309	**4-Amino-4H-1,2,4-triazole** for synthesis (LAB) $C_2H_4N_4$ MW 84.08		25 g 100 g	15.50 52.50	
	1-Amino-2,4,5-trimethylbenzene see 2,4,5-Trimethylaniline				
1298	**(5-Amino-1,3,3-trimethylcyclohexylmethyl)-amine** for synthesis (ORG) $C_{10}H_{22}N_2$ MW 170.30	1 l = 0.93 kg	500 ml	10.—	
5423	**Ammonia solution** about 10% (0.96) GR NH_3 MW 17.03	1 l = 0.96 kg	1 l	5.50	

CERTIFICATE OF GUARANTEE:

Assay of NH_3 (acidimetric)	min. 10%	Zinc (Zn)	max. 0.00002%
Chloride (Cl)	max. 0.00005 %	Cadmium (Cd)	max. 0.00001%
Sulfate (SO_4)	max. 0.0002 %	Magnesium (Mg)	max. 0.0001 %
Sulfide (S)	max. 0.00002 %	Calcium (Ca)	max. 0.0001 %
Carbonate (as CO_2)	max. 0.001 %	Sodium (Na)	max. 0.0001 %
Phosphate (PO_4)	max. 0.00005 %	Potassium (K)	max. 0.0001 %
Lead (Pb)	max. 0.000005%	Substances reducing $KMnO_4$ (as O)	max. 0.0008 %
Copper (Cu)	max. 0.00001 %	Non-volatile substances	max. 0.002 %
Iron (Fe)	max. 0.00001 %		

5428	**Ammonia solution** min. 25% (0.91) **Suprapur**® NH_3 MW 17.03	1 l = 0.91 kg	250 ml 1 l	10.50 25.25	

CERTIFICATE OF GUARANTEE:

Assay of NH_3 (acidimetric)	min. 25 %
Chloride (Cl)	max. $5 \cdot 10^{-5}$ % (0.5 ppm)
Lead (Pb)	max. $1 \cdot 10^{-7}$ % (0.001 ppm)
Copper (Cu)	max. $1 \cdot 10^{-7}$ % (0.001 ppm)
Iron (Fe)	max. $5 \cdot 10^{-7}$ % (0.005 ppm)
Nickel (Ni)	max. $5 \cdot 10^{-7}$ % (0.005 ppm)
Cobalt (Co)	max. $1 \cdot 10^{-7}$ % (0.001 ppm)
Aluminium (Al)	max. $5 \cdot 10^{-7}$ % (0.005 ppm)
Zinc (Zn)	max. $5 \cdot 10^{-7}$ % (0.005 ppm)
Magnesium (Mg)	max. $5 \cdot 10^{-7}$ % (0.005 ppm)
Calcium (Ca)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Strontium (Sr)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Barium (Ba)	max. $2 \cdot 10^{-4}$ % (2 ppm)
Lithium (Li)	max. $5 \cdot 10^{-7}$ % (0.005 ppm)
Sodium (Na)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Potassium (K)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)

Volume

Standard packages fob incl. all packing Prices per container — DM

Bulk packages fob incl. packing Prices per kg — DM

5432 **Ammonia solution** min. 25% (0.91) GR

NH_3 MW 17.03 — 1 l = 0.91 kg

CERTIFICATE OF GUARANTEE:

Assay of NH_3 (acidimetric)	min. 25%	Zinc (Zn)	max. 0.00002%
Chloride (Cl)	max. 0.00005 %	Cadmium (Cd)	max. 0.00001%
Sulfate (SO_4)	max. 0.0002 %	Magnesium (Mg)	max. 0.0001 %
Sulfide (S)	max. 0.00002 %	Calcium (Ca)	max. 0.0001 %
Carbonate (as CO_2)	max. 0.001 %	Sodium (Na)	max. 0.0001 %
Phosphate (PO_4)	max. 0.00005 %	Potassium (K)	max. 0.0001 %
Lead (Pb)	max. 0.000005%	Substances reducing $KMnO_4$ (as O)	max. 0.0008 %
Copper (Cu)	max. 0.00001 %	Non-volatile substances	max. 0.002 %
Iron (Fe)	max. 0.00001 %		

			Bulk packages
1 l		4.50	
2½ l		9.	
5 l		17.—	
standard box			
30 x 1 l	1 l	4.15	
4 x 30 x 1 l	1 l	4.—	
8 x 2½ l	2½ l	8.50	
8 x 8 x 2½ l	2½ l	8.25	
8 x 5 l	5 l	16.—	
4 x 8 x 5 l	5 l	15.50	
45 kg			2.20
5 x 45 kg			2.—

5436 **Ammonia solution** min. 25% (0.91) **Selectipur®**

NH_3 MW 17.03 — 1 l = 0.91 kg

5 l	prices on application
45 kg	

5429 **Ammonia solution** about 25% (0.91) for the manufacture of mirrors

NH_3 MW 17.03 — 1 l = 0.91 kg

			Bulk packages
2½ l		8.50	
5 l		15.—	
45 kg			1.25
5 x 45 kg			1.23
10 x 45 kg			1.20

5422 **Ammonia solution** about 25% (0.91) extra pure

NH_3 MW 17.03 — 1 l = 0.91 kg

			Bulk packages
1 l		4.—	
2½ l		8.50	
5 l		15.—	
standard box			
30 x 1 l	1 l	3.75	
4 x 30 x 1 l	1 l	3.60	
8 x 2½ l	2½ l	8.—	
8 x 8 x 2½ l	2½ l	7.75	
8 x 5 l	5 l	14.25	
4 x 8 x 5 l	5 l	13.75	
45 kg			1.19
5 x 45 kg			1.16
10 x 45 kg			1.14

5426 **Ammonia solution** about 33% (0.885) BP 1953

NH_3 MW 17.03 — 1 l = 0.88 kg

			Bulk packages
1 l		4.20	
2½ l		8.75	
40 kg			2.—

Ammonia-d_3 solution see tri-Deuteroammonia solution

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1116	○	**Ammonium acetate** GR CH_3COONH_4 MW 77.08 CERTIFICATE OF GUARANTEE: Assay of CH_3COONH_4 min. 98% Residue on ignition (as sulfates) . max. 0.01 % pH [5% solution (20°C)] . . . 6.5–7.5 Chloride (Cl) . max. 0.0005 % Sulfate (SO_4) . . max. 0.001 % Nitrate (NO_3) . . max. 0.0015 % Heavy metals (as Pb) . . . . max. 0.0002 % Iron (Fe) . . . . max. 0.0002 % Calcium (Ca) . max. 0.001 % Substances reducing $KMnO_4$ (as HCOOH) . max. 0.005 % Water . . . . . max. 2 %	1.8	P □	500 g 1 kg 5 kg [illegible]	6.80 11.25 48.25	[illegible]
1115	○	**Ammonium acetate** cryst. extra pure CH_3COONH_4 MW 77.08 TYPE ANALYSIS: Assay of CH_3COONH_4 (perchloric acid titration) . . . . . 96 % pH [5% aqueous solution (20°C)] . 6.0–7.5 Chloride (Cl) . . . . 0.002 % Sulfate (SO_4) . . . . 0.01 % Heavy metals (as Pb) 0.0005 % Iron (Fe) . . . . . 0.001 % Residue on ignition (as sulfates) . . . . 0.02 % Water (acc. to Karl Fischer) . . . 2.5 %	1.6	P □ □	1 kg 5 kg 50 kg 5 x 50 kg	8.— 30.—	 4.15 3.90
		Ammonium alum see Ammonium aluminium sulfate					
1033		**Ammonium aluminium sulfate Optipur®** $AlNH_4(SO_4)_2 \cdot x\,H_2O$ MW 237.14 anhydrous		P	100 g 1 kg	prices on application	
1028		**Ammonium aluminium sulfate 12-hydrate Suprapur®** $NH_4Al(SO_4)_2 \cdot 12\,H_2O$ MW 453.33 CERTIFICATE OF GUARANTEE: Lead (Pb) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Copper (Cu) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Nickel (Ni) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Cobalt (Co) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Zinc (Zn) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Iron (Fe) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Manganese (Mn) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Thallium (Tl) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Calcium (Ca) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Sodium (Na) . . . . . max. $1 \cdot 10^{-3}$ % (10 ppm) Potassium (K) . . . . . max. $1 \cdot 10^{-3}$ % (10 ppm)	0.9	P	100 g	15.75	
1031		**Ammonium aluminium sulfate 12-hydrate** GR $NH_4Al(SO_4)_2 \cdot 12\,H_2O$ MW 453.33 CERTIFICATE OF GUARANTEE: Assay of $NH_4Al(SO_4)_2 \cdot 12\,H_2O$ . . . . min. 99% Chloride (Cl) . max. 0.0005 % Nitrate (NO_3) . max. 0.001 % Heavy metals (as Pb) . . . max. 0.001 % Iron (Fe) . . . max. 0.0002 % Manganese (Mn) max. 0.0005 % Chromium (Cr) . max. 0.0005 % Sodium (Na) . . max. 0.005 % Arsenic (As) . . max. 0.00005% Calcium (Ca) . . max. 0.05 % Potassium (K) . max. 0.005 %	0.9	P	500 g 1 kg	5.— 8.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1032	**Ammonium aluminium sulfate 12-hydrate** cryst. pure $NH_4Al(SO_4)_2 \cdot 12\,H_2O$ MW 453.33 TYPE ANALYSIS: Assay of $NH_4Al(SO_4)_2 \cdot 12\,H_2O$ (chelatometric) . . . 98 % Chloride (Cl) . . . . . 0.005% Heavy metals (as Pb) . 0.005% Iron (Fe) . . . . . 0.001% Substances stable at red heat and not precipitated by ammonia solution (as sulfates) . . . . 0.3 %	1.1	5 kg 9051/50 kg	14.25	2.—
1220	**Ammonium amidosulfonate** GR (for detection of sulfonamide in blood) $H_2NSO_3NH_4$ MW 114.12 CERTIFICATE OF GUARANTEE: Assay of $NH_4SO_3NH_2$. min. 99% pH (5% solution) 5–6.5 Chloride (Cl) . . max. 0.001 % Nitrate (NO_3) . max. 0.002 % Heavy metals (as Pb) . . . . max. 0.0005 % Iron (Fe) . . . . max. 0.0005 % Residue on ignition . . max. 0.02 % Sulfate (SO_4) . . max. 0.02 % Loss on drying . max. 1 %	1.3	100 g	6.80	
	Ammonium aurin tricarboxylate see Aurin tricarboxylic acid ammonium salt				
1118	**Ammonium benzoate** $C_6H_5COONH_4$ MW 139.16	1.8	1 kg 50 kg	12.50	9.30
	Ammonium bicarbonate see Ammonium hydrogen carbonate				
	Ammonium bifluoride see Ammonium hydrogen difluoride				
	Ammonium biphosphate see Ammonium dihydrogen phosphate				
1890	**Ammonium bismuth citrate** for bacteriology	0.95	100 g 500 g	20.— 85.—	
1122	**Ammonium bromide Suprapur®** NH_4Br MW 97.94	1	50 g 500 g	18.— 140.—	
1125	**Ammonium bromide** extra pure DAB 7, BPC 1963, NF XII, Ph Ned VI NH_4Br MW 97.95 TYPE ANALYSIS: Assay of NH_4Br (argentometric) . . 99.8 % Chloride (Cl) . . . . 0.2 % Iodide (I) . . . . . 0.02 % Sulfate (SO_4) . . . . 0.005 % Bromate (BrO_3) . . . 0.01 % Heavy metals (as Pb) . 0.001 % Iron (Fe) . . . . . 0.001 % Barium (Ba) . . . . . 0.005 % Arsenic (As) . . . . . 0.0002% Loss on drying (105°C) . . . . . 0.1 % Residue on ignition (as sulfates) . . . . 0.05 %	0.8	500 g 1 kg 5 kg 9051/50 kg	4.75 8.— 33.50	5.60

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1134	**Ammonium carbamate** (carbonate) GR $H_2NCOONH_4$ MW 78.07 CERTIFICATE OF GUARANTEE: Assay of $H_2NCOONH_4$. min. 99.5% Residue on ignition (as sulfates) . . max. 0.002 % Chloride (Cl) . . max. 0.0003% Sulfate (SO_4) . . max. 0.001 % Nitrate (NO_3) . . max. 0.001 % Phosphate (PO_4) . max. 0.0005% Heavy metals (as Pb) . . . . max. 0.0005% Iron (Fe) . . . . max. 0.0002% Calcium (Ca) . . max. 0.003 %	1.5	250 g 1 kg 5 kg	5.50 15.— 65.	
1138	**Ammonium carbamate** (carbonate) **Selectipur®** $H_2NCOONH_4$ MW 78.07	1.5	5 kg 50 kg	prices on application	
1135	**Ammonium carbonate** small lumps extra pure DAB 6, Cod Franç 1965, NF XII, Ph Ned VI TYPE ANALYSIS: Assay of NH_3 (acidimetric) . . . . 30–33 % Non-volatile substances 0.01 % Chloride (Cl) . . . . 0.001 % Sulfate (SO_4) . . . . . 0.005 % Heavy metals (as Pb) . 0.001 % Iron (Fe) . . . . . 0.0005% Calcium (Ca) . . . . . 0.01 %	1.5	1 kg 5 kg 9051/50 kg	4.50 16.—	 1.90
	Ammonium carbonate see also Ammonium carbamate and Ammonium hydrogen carbonate				
2276	**Ammonium cerium(IV) nitrate** GR $(NH_4)_2Ce(NO_3)_6$ MW 548.23 CERTIFICATE OF GUARANTEE: Assay of $(NH_4)_2Ce(NO_3)_6$ min. 99% Substances insoluble in water . . . . max. 0.005% Chloride (Cl) . . max. 0.001% Phosphate (PO_4) . max. 0.005% Heavy metals (as Pb) . . . . max. 0.005% Iron (Fe) . . . . . max. 0.005%	0.75	25 g 100 g	5.— 13.25	
2273	**Ammonium cerium(IV) sulfate** GR $(NH_4)_4 Ce(SO_4)_4 \cdot 2 H_2O$ MW 632.55 CERTIFICATE OF GUARANTEE: Assay of $(NH_4)_4Ce(SO_4)_4 \cdot 2 H_2O$ . . . . . min. 99% Substances insoluble in dilute sulfuric acid . . max. 0.005% Chloride (Cl) . . max. 0.001% Phosphate (PO_4) . max. 0.005% Heavy metals (as Pb) . . . . max. 0.005% Iron Fe) . . . . . max. 0.005%	0.9	25 g 100 g	4.75 12.—	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1143	**Ammonium chloride Suprapur**®	1.5	P	50 g	10.50	
	NH_4Cl MW 53.49			500 g	68.—	

CERTIFICATE OF GUARANTEE:

Lead (Pb)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Copper (Cu)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Nickel (Ni)	max. $5 \cdot 10^{-7}$ % (0.005 ppm)
Cobalt (Co)	max. $5 \cdot 10^{-7}$ % (0.005 ppm)
Zinc (Zn)	max. $5 \cdot 10^{-7}$ % (0.005 ppm)
Iron (Fe)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Aluminium (Al)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Manganese (Mn)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Thallium (Tl)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Magnesium (Mg)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Calcium (Ca)	max. $2 \cdot 10^{-4}$ % (2 ppm)
Strontium (Sr)	max. $2 \cdot 10^{-4}$ % (2 ppm)
Barium (Ba)	max. $3 \cdot 10^{-4}$ % (3 ppm)
Lithium (Li)	max. $2 \cdot 10^{-5}$ % (0.2 ppm)
Sodium (Na)	max. $1 \cdot 10^{-3}$ % (10 ppm)
Potassium (K)	max. $5 \cdot 10^{-4}$ % (5 ppm)

1145	**Ammonium chloride** GR	1.5	P	500 g	5.25	
	NH_4Cl MW 53.49			1 kg	9.—	
				5 kg	36.75	
				50 kg		5.50

CERTIFICATE OF GUARANTEE:

Assay of NH_4Cl	min. 99.8%	Calcium (Ca)	max. 0.0005 %
pH [5% solution (20°C)]	4.5–5.5	Magnesium (Mg)	max. 0.0005 %
Sulfate (SO_4)	max. 0.002 %	Sodium (Na)	max. 0.005 %
Nitrate (NO_3)	max. 0.0005 %	Potassium (K)	max. 0.005 %
Phosphate (PO_4)	max. 0.0002 %	Lead (Pb)	max. 0.0001 %
Iron (Fe)	max. 0.0002 %	Copper (Cu)	max. 0.0002 %
		Zinc (Zn)	max. 0.0002 %
		Nickel (Ni)	max. 0.0001 %

1144	**Ammonium chloride Selectipur**®	1.5	P	5 kg	price on application
	NH_4Cl MW 53,49				

1142	**Ammonium chloride** extra pure DAB 7, BP 1968, JP VII, Ph Ned VI, USP XVII	1.7	P	1 kg	5.50	
	NH_4Cl MW 53.49			5 kg	18.50	
				9051/50 kg		2.65

TYPE ANALYSIS:

Assay of NH_4Cl (argentometric)	99.8 %	Barium (Ba)	0.002 %
pH [10% aqueous solution (20°C)]	4,5–6	Calcium (Ca)	0.005 %
Sulfate (SO_4)	0.01 %	Magnesium (Mg)	0.002 %
Heavy metals (as Pb)	0.0005%	Arsenic (As)	0.0002%
Iron (Fe)	0.002 %	Residue on ignition (as sulfates)	0.05 %
		Loss on drying	0.2 %

Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.

		Volume		Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
				DM	DM
1141	**Ammonium chloride** pure NH_4Cl MW 53.49 TYPE ANALYSIS: Assay of NH_4Cl . . . . 99 % Sulfate (SO_4) . . . . . 0.02 % Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.002% Residue on ignition (as sulfates) . . . . 0.3 %	1.4	P P P	2½ kg 5 kg 9051/50 kg	8.75 13.75 1.44
1140	**Ammonium chloride** NH_4Cl MW 53.49	1.4	P P	5 kg 9051/50 kg	12.75 1.31
	Ammonium-d_4 chloride see *tetra*-Deuteroammonium chloride				
1151	**Ammonium chromate** GR $(NH_4)_2CrO_4$ MW 152.07 CERTIFICATE OF GUARANTEE: Assay of $(NH_4)_2CrO_4$ . . min. 99% Chloride (Cl) . . max. 0.001% Sulfate (SO_4) . . max. 0.01 % Lead (Pb) . . . . max. 0.005% Copper (Cu) . . . max. 0.001% Iron (Fe) . . . . max. 0.002% Calcium (Ca) . . . max. 0.005% Sodium (Na) . . . max. 0.005% Potassium (K) . . max. 005 %	1.1	P P	250 g 1 kg	9.25 30.50
	Ammonium citrate dibasic see *di*-Ammonium hydrogen citrate				
2797	**Ammonium copper(II) chloride** pure $(NH_4)_2[CuCl_4] \cdot 2\,H_2O$ MW 277.46	1	P P P	250 g 1 kg 5 kg	6.80 20.— 88.—
1119	**Ammonium dichromate** 95–98% GR (phlegmatised with water) $(NH_4)_2Cr_2O_7$ MW 252.06 CERTIFICATE OF GUARANTEE: (All data relate to the anhydrous substance) Assay of $(NH_4)_2Cr_2O_7$ . . min. 99.5 % Chloride (Cl) . . max. 0.001% Sulfate (SO_4) . . max. 0.01 % Lead (Pb) . . . . max. 0.005% Copper (Cu) . . . max. 0.001% Iron (Fe) . . . . max. 0.002% Calcium (Ca) . . max. 0.005% Sodium (Na) . . . max. 0.005% Potassium (K) . . max. 0.2 %	0.85	P P	250 g 1 kg	5.75 19.50
1121	**Ammonium dichromate** 95–98% extra pure (phlegmatised with water) $(NH_4)_2Cr_2O_7$ MW 252.06 TYPE ANALYSIS: (All data relate to the anhydrous substance) Assay of $(NH_4)_2Cr_2O_7$ . . . . 99.5 % Chloride (Cl) . . . . . 0.02% Sulfate (SO_4) . . . . . 0.02% Calcium (Ca) . . . . . 0.01% Sodium (Na) . . . . . 0.01% Potassium (K) . . . . . 0.5 %	0.9	P P P P	500 g 1 kg 5 kg 9051/50 kg	5.50 10.— 39.50 6.50
1120	**Ammonium dichromate** 95–98% technical (phlegmatised with water) $(NH_4)_2Cr_2O_7$ MW 252.06	0.9	P P	5 kg 9051/50 kg	31.50 5.50

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1126	**Ammonium dihydrogen phosphate** GR $(NH_4)H_2PO_4$ MW 115.03 CERTIFICATE OF GUARANTEE: Assay of $(NH_4)H_2PO_4$. min. 99% pH (5% solution) 4.0–4.5 Chloride (Cl) . . max. 0.0005% Sulfate (SO_4) . . max. 0.005 % Nitrate (NO_3) . . max. 0.001 % Heavy metals (as Pb) . . . max. 0.0005 % Iron (Fe) . . . . max. 0.001 % Arsenic (As) . . max. 0.00005% Sodium (Na) . . max. 0.005 % Potassium (K) . . max. 0.005 %	1	P P	250 g 1 kg	5.— 12.—	
1124	**Ammonium dihydrogen phosphate** cryst. pure $(NH_4)H_2PO_4$ MW 115.03	1	P P P	1 kg 5 kg 9051/50 kg	7.10 26.25	4.20
1219	**Ammonium diuranate** nuclear grade (LAB) $(NH_4)_2U_2O_7$ MW 624.13 TYPE ANALYSIS (referred to U): Gadolinium (Gd) . . . . . $5 \cdot 10^{-6}$ % (0.05 ppm) Boron (B) . . . . . $1 \cdot 10^{-5}$ % (0.1 ppm) Cadmium (Cd) . . . . . $1 \cdot 10^{-5}$ % (0.1 ppm) Lithium (Li) . . . . . $1 \cdot 10^{-5}$ % (0.1 ppm) Cobalt (Co) . . . . . $5 \cdot 10^{-4}$ % (5 ppm) Silver (Ag) . . . . . $1 \cdot 10^{-4}$ % (1 ppm) Manganese (Mn) . . . . . $1.5 \cdot 10^{-3}$ % (15 ppm) Vanadium (V) . . . . . $1 \cdot 10^{-3}$ % (10 ppm) Nickel (Ni) . . . . . $5 \cdot 10^{-4}$ % (5 ppm) Copper (Cu) . . . . . $5 \cdot 10^{-4}$ % (5 ppm) Chromium (Cr) . . . . . $5 \cdot 10^{-4}$ % (5 ppm) Iron (Fe) . . . . . $2.5 \cdot 10^{-3}$ % (25 ppm) Molybdenum (Mo) . . . . . $5 \cdot 10^{-4}$ % (5 ppm) Aluminium (Al) . . . . . $2.5 \cdot 10^{-3}$ % (25 ppm) Phosphorus (P) . . . . . $5 \cdot 10^{-3}$ % (50 ppm) Silicon (Si) . . . . . $5 \cdot 10^{-3}$ % (50 ppm) While the boron equivalents of the aforementioned impurities amount to less than $6 \cdot 10^{-5}$ % (0.6 ppm) the actual boron equivalent of all impurities, independent of minute variations of analysis, is guaranteed not to exceed $1.2 \cdot 10^{-4}$ % (1.2 ppm).	0.5		50 g	36.75	
1164	**Ammonium fluoride** GR NH_4F MW 37.04 CERTIFICATE OF GUARANTEE: Assay of NH_4F . min. 95% Residue on ignition (as sulfates) . max. 0.005 % Ammonium hydrogen difluoride (NH_4HF_2) . . max. 0.5 % Chloride (Cl) . . max. 0.0005% Sulfate (SO_4) . . max. 0.005 % Hexafluorosilicates (SiF_6) . . . . max. 0.1 % Heavy metals (as Pb) . . . . max. 0.0005% Copper (Cu) . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Water . . . . . max. 5 %	3	P P P	250 g 1 kg 50 kg	? 23.50	22.—
1162	**Ammonium fluoride Selectipur®** NH_4F MW 37.04	3	P P	1 kg 5 kg	prices on application	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1163	**Ammonium fluoride solution** 40% w/w **Selectipur**® 1 l = 1.11 kg		2½ l	price on application	
1182	**Ammonium heptamolybdate** (ammonium molybdate) GR $(NH_4)_6Mo_7O_{24} \cdot 4\,H_2O$ MW 1235.86 CERTIFICATE OF GUARANTEE: Assay of $(NH_4)_6Mo_7O_{24} \cdot 4\,H_2O$ . . . min. 99 % Chloride (Cl) . . max. 0.0005% Sulfate (SO_4) . . max. 0.005 % Phosphate, arsenate, silicate (as PO_4) max. 0.0005% Heavy metals (as Pb) . . . . max. 0.001 % Iron (Fe) . . . . max. 0.001 %	0.7	100 g 250 g 1 kg 5 kg	6.25 13.25 44.75 200. –	
1180	**Ammonium heptamolybdate** cryst. Erg B 6 $(NH_4)_6Mo_7O_{24} \cdot 4\,H_2O$ MW 1235.86 TYPE ANALYSIS: Assay of $(NH_4)_6Mo_7O_{24} \cdot 4\,H_2O$ 99 % Chloride (Cl) . . . . . 0.002% Sulfate (SO_4) . . . . . 0.02 % Phosphate, arsenate, silicate (as PO_4) . . 0.002% Iron (Fe) 0.002%	0.7	250 g 1 kg 5 kg 25 kg	11.75 40.50 179.— 	 32.75
1181	**Ammonium heptamolybdate** powder $(NH_4)_6Mo_7O_{24} \cdot 4\,H_2O$ MW 1235.86 TYPE ANALYSIS: Assay of $(NH_4)_6Mo_7O_{24} \cdot 4\,H_2O$ 99 % Chloride (Cl) . . . . . 0.002% Sulfate (SO_4) . . . . . 0.02 % Phosphate, arsenate, silicate (as PO_4) . . 0.002% Iron (Fe) 0.002%	0.7	250 g 1 kg 5 kg 25 kg	11.75 40.50 179.— 	 32.75
1131	**Ammonium hydrogen carbonate** powder $(NH_4)HCO_3$ MW 79.06	1.1	2½ kg 5 kg 9051/50 kg	8.50 13.25 	 1.18
1154	*di*-**Ammonium hydrogen citrate** GR $C_6H_{14}N_2O_7$ MW 226.19 CERTIFICATE OF GUARANTEE: Assay of $C_6H_{14}N_2O_7$ . . min. 99% Chloride (Cl) . max. 0.0005 % Sulfate (SO_4) . max. 0.005 % Phosphate (PO_4) max. 0.0005 % Heavy metals (as Pb) . . . max. 0.0005 % Copper (Cu) . . max. 0.00002% Iron (Fe) . . . . max. 0.0005 % Residue on ignition (as sulfates) . max. 0.01 %	1.4	250 g 1 kg	5.25 16.75	
1155	*di*-**Ammonium hydrogen citrate** $C_6H_{14}N_2O_7$ MW 226.19 TYPE ANALYSIS: Assay (formol titration) 98 % Chloride (Cl) . . . . . 0.001% Sulfate (SO_4) . . . . . 0.01 % Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.001% Residue on ignition . . 0.2 %	1.4	1 kg 5 kg 50 kg	12.50 53. – 	 9.10

Exemplar

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1160	•I•	**Ammonium hydrogen difluoride** $(NH_4)HF_2$ MW 57.04	1.6	(P)	5 kg	24.25	
					9051/50 kg		3.20
1201		*di*-**Ammonium hydrogen phosphate** GR $(NH_4)_2HPO_4$ MW 132.06	1.2	(P)	250 g 1 kg 5 kg	4.50 12.50 55.—	
		CERTIFICATE OF GUARANTEE: Assay of $(NH_4)_2HPO_4$. min. 99 % pH (5% solution) 7.8–8.5 Chloride (Cl) . . max. 0.0005% Sulfate (SO_4) . . max. 0.002 % Nitrate (NO_3) . . max. 0.001 % Heavy metals (as Pb) . . . . max. 0.0005 % Iron (Fe) . . . . max. 0.0005 % Arsenic (As) . . max. 0.00005% Sodium (Na) . . max. 0.001 % Potassium (K) . max. 0.001 %					
1206		*di*-**Ammonium hydrogen phosphate** extra pure Erg B 6 $(NH_4)_2HPO_4$ MW 132.06	1.2	(P)	1 kg 5 kg	7.50 29.—	
					9051/50 kg		4.70
1205		*di*-**Ammonium hydrogen phosphate** pure $(NH_4)_2HPO_4$ MW 132.06	1.3	(P)	1 kg 5 kg	6.25 25.75	
					9051/50 kg		4.40
		Ammonium hydroxide solution see Ammonia solution					
1172		**Ammonium iodide Suprapur®** NH_4I MW 144.94	0.9	(P)	50 g 500 g	20.50 163.—	
		CERTIFICATE OF GUARANTEE: Assay of NH_4I . . . . . min. 99.5 % Lead (Pb) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Copper (Cu) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Cobalt (Co) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Nickel (Ni) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Zinc (Zn) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Iron (Fe) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Aluminium (Al) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Manganese (Mn) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Thallium (Tl) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Barium (Ba) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Strontium (Sr) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Calcium (Ca) . . . . . max. $2 \cdot 10^{-4}$ % (2 ppm) Magnesium (Mg) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Lithium (Li) . . . . . max. $2 \cdot 10^{-5}$ % (0.2 ppm) Sodium (Na) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Potassium (K) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm)					
1173		**Ammonium iodide** GR NH_4I MW 144.94	0.9		50 g 250 g	6.80 26.25	
		CERTIFICATE OF GUARANTEE: Assay of NH_4I . . min. 99.5% pH (5% solution) 4.5–6.5 Chloride and bromide (as Cl) max. 0.005 % Sulfate (SO_4) . . max. 0.002 % Iodate (IO_3) . . max. 0.0005% Phosphate (PO_4) max. 0.001 % Silicate (SiO_2) . max. 0.0005% Lead (Pb) . . . max. 0.0001% Copper (Cu) . . max. 0.0001% Iron (Fe) . . . . max. 0.0002% Calcium (Ca) . . max. 0.001 % Barium (Ba) . . max. 0.002 % Loss on drying (105° C) . . . . max. 0.05 % Residue on ignition (as sulfates) . . max. 0.02 %					

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1176	**Ammonium iodide** Erg B 6 NH_4I MW 144.94 TYPE ANALYSIS: Assay of NH_4I (argentometric; on dried substance) 99.5% pH [5% aqueous solution (20°C)] . . 4.5–6.5 Chloride and bromide (as Cl) . . . . . 0.05 % Sulfate (SO_4) . . . . . 0.01 % Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.002% Calcium (Ca) . . . . . 0.005% Non-volatile substances . . . . . 0.05 % Loss on drying (105°C) 1 %	0.9		250 g 1 kg	12.— 39.50	
3759	**Ammonium iron(III) citrate** about 15% Fe, granular, green TYPE ANALYSIS: Assay of Fe . . . . 14.5–16.0% Chloride (Cl) . . . 0.05 % Tartrate ($C_4H_4O_6$) . 0.5 % Heavy metals (as Pb) . . . . . 0.005 % Arsenic (As) . . . 0.0005 %	1.6		500 g 1 kg 5 kg 50 kg	6.50 11.50 47.25	7.—
3762	**Ammonium iron(III) citrate** about 17% Fe, granular, brown NF X TYPE ANALYSIS: Assay of Fe . . . . 16.5–18.5% Chloride (Cl) . . . 0.05 % Sulfate (SO_4) . . . 0.2 % Tartrate ($C_4H_4O_6$) . 0.5 % Heavy metals (as Pb) . . . . . 0.005 % Arsenic (As) . . . 0.0005 %	1.4		1 kg 5 kg 50 kg	11.— 46.25	6.90
3761	**Ammonium iron(III) citrate** about 28% Fe, granular, brown TYPE ANALYSIS: Assay of Fe . . . about 28% Chloride (Cl) . . . 0.05 % Tartrate ($C_4H_4O_6$) . 0.05 % Heavy metals (as Pb) 0.005 % Arsenic (As) . . . . 0.0005 %	1.2		1 kg 5 kg 50 kg	11.50 47.25	7.—
3793	**Ammonium iron(II) sulfate** (max. 0.002% Mn) GR $(NH_4)_2Fe(SO_4)_2 \cdot 6\,H_2O$ MW 392.14 CERTIFICATE OF GUARANTEE: Assay of $(NH_4)_2Fe(SO_4)_2 \cdot 6\,H_2O$ . . . . min. 99.5% Chloride (Cl) . . max. 0.001 % Phosphate (PO_4) max. 0.003 % Copper (Cu) . . max. 0.0005% Lead (Pb) . . . . max. 0.0002% Cobalt (Co) . . max. 0.002 % Iron(III) (Fe^3) . . max. 0.005 % Zinc (Zn) . . . . max. 0.0005% Manganese (Mn) max. 0.002 % Substances not precipitated by NH_3 (as sulfates) . . max. 0.05 %	0.9		250 g 1 kg	6.80 20.75	
3792	**Ammonium iron(II) sulfate** GR $(NH_4)_2Fe(SO_4)_2 \cdot 6\,H_2O$ MW 392.14 CERTIFICATE OF GUARANTEE: Assay . . . . . min. 99 % Substances insoluble in water . . . . max. 0.005% Iron(III) salts (Fe''') . . . . . max. 0.005% Chloride (Cl) . . max. 0.001% Phosphate (PO_4) . max. 0.003% Copper (Cu) . . max. 0.002% Zinc (Zn) . . . . max. 0.006% Manganese (Mn) . max. 0.05 % Alkaline and alkaline earth metals (as sulfates) . . max. 0.025%	1		500 g 1 kg 5 kg 50 kg	5.25 9. — 36.75	5.25

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
3791	**Ammonium iron(II) sulfate** cryst. extra pure $(NH_4)_2Fe(SO_4)_2 \cdot 6\,H_2O$ MW 392.14 TYPE ANALYSIS: Assay . . . . . 99 % Chloride (Cl) . . . . . 0.002% Iron(III) salts (Fe''') . 0.01 % Copper (Cu) . . . . . 0.002% Zinc (Zn) . . . . . 0.01 % Alkaline and alkaline earth metals (as sulfates) . . . . 0.05 %	0.9	P P □	1 kg 5 kg 50 kg	6.25 23.—	3.15
3776	**Ammonium iron(III) sulfate** GR $NH_4Fe(SO_4)_2 \cdot 12\,H_2O$ MW 482.19 CERTIFICATE OF GUARANTEE: Assay of $NH_4Fe(SO_4)_2 \cdot 12\,H_2O$ . . . . min. 99% Chloride (Cl) . . max. 0.0005% Phosphate (PO_4) max. 0.003 % Lead (Pb) . . . max. 0.0005% Copper (Cu) . . max. 0.001 % Iron(II) (Fe) . . . max. 0.001 % Zinc (Zn) . . . . max. 0.001 % Manganese (Mn) . max. 0.005 % Substances not precipitated by NH_3 (as sulfates) . . max. 0.05 %	1.2	P P P □	500 g 1 kg 5 kg 50 kg	5.— 8.— 33.50	4.40
3775	**Ammonium iron(III) sulfate** cryst. Erg B 6 $NH_4Fe(SO_4)_2 \cdot 12\,H_2O$ MW 482.19 TYPE ANALYSIS: Assay . . . . . 99 % Chloride (Cl) . . . . . 0.002% Iron(II) salts (Fe'') . . 0.002% Copper (Cu) . . . . . 0.002% Zinc (Zn) . . . . . 0.005% Alkaline and alkaline earth metals (as sulfates) . . . . 0.1 %	1	P P □	1 kg 5 kg 50 kg	5.80 21.—	2.65
	Ammonium metavanadate see Ammonium monovanadate					
	Ammonium molybdate see Ammonium heptamolybdate					
1226	**Ammonium monovanadate** GR NH_4VO_3 MW 116.98 CERTIFICATE OF GUARANTEE: Assay of NH_4VO_3 min. 99% Chloride (Cl) . . max. 0.002% Sulfate (SO_4) . . max. 0.005% Phosphate (PO_4) max. 0.005% Lead (Pb) . . . . max. 0.002% Iron (Fe) . . . . max. 0.002%	1.4	P P P	100 g 250 g 1 kg	8.50 19.— 63.—	
1225	**Ammonium monovanadate** extra pure NH_4VO_3 MW 116.98 TYPE ANALYSIS: Assay of NH_4VO_3 (oxidimetric) . . . . 99 % Chloride (Cl) . . . . . 0.005% Sulfate (SO_4) . . . . . 0.01 % Phosphate (PO_4) . . . 0.01 % Lead (Pb) . . . . . 0.005% Iron (Fe) 0.005%	1.2	P P ▬	250 g 1 kg 5 kg	12.— 40.— 180.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1224	**Ammonium monovanadate** pure NH_4VO_3 MW 116.98 TYPE ANALYSIS: Assay of NH_4VO_3 (oxidimetric) . . . . 98 % Chloride (Cl) . . . . . 0.01% Sulfate (SO_4) . . . . . 0.02% Iron (Fe) 0.02%	1.2	P 250 g 1 kg 5 kg 50 kg	11.50 37.— 165.— price on application	
1188	**Ammonium nitrate** GR NH_4NO_3 MW 80.04 CERTIFICATE OF GUARANTEE: Assay of NH_4NO_3 min. 99% Residue on ignition (as sulfates) . max. 0.01 % pH [5% solution (20°C)] . . . 4,5–6 Chloride (Cl) . . max. 0.0003 % Sulfate (SO_4) . max. 0.002 % Phosphate (PO_4) max. 0.0005 % Heavy metals (as Pb) . . . max. 0.0005 % Iron (Fe) . . . max. 0.0002 % Calcium (Ca) . max. 0.003 % Nitrite (NO_2) . . max. 0.0005 %	1.5	P 500 g 1 kg 5 kg 50 kg	5.— 8.10 32.50	 4.75
1187	**Ammonium nitrate** cryst extra pure Erg B 6 NH_4NO_3 MW 80.04 TYPE ANALYSIS: Assay of NH_4NO_3 (perchloric acid titration) . . . . . 98.5 % Chloride (Cl) . . . . 0.002 % Sulfate (SO_4) . . . . 0.01 % Phosphate (PO_4) . . . 0.0005% Heavy metals (as Pb) . 0.001 % Iron (Fe) . . . . . 0.0005% Calcium (Ca) . . . . 0.005 % Residue on ignition (as sulfates) . . . . 0.05 % Loss on drying (105°C) 1.5 %	1.4	P 1 kg 5 kg 50 kg 5 x 50 kg	6.30 23.—	 3.05 2.95
1186	**Ammonium nitrate** cryst. pure NH_4NO_3 MW 80.04 TYPE ANALYSIS: Assay of NH_4NO_3 (perchloric acid titration) . . . . . 98 % Chloride (Cl) . . . . . 0.005% Sulfate (SO_4) . . . . 0.01 % Heavy metals (as Pb) . 0.002% Iron (Fe) . . . . . 0.001% Calcium (Ca) . . . . . 0.005% Residue on ignition (as sulfates) . . . . 0.1 % Loss on drying (105°C) 2 %	1.4	P 1 kg 5 kg 50 kg 5 x 50 kg	6.— 22.—	 2.90 2.75
1192	**Ammonium oxalate** GR $(NH_4)_2C_2O_4 \cdot H_2O$ MW 142.11 CERTIFICATE OF GUARANTEE: Assay of $(NH_4)_2C_2O_4 \cdot H_2O$ . . . . . min. 99.5% Residue on ignition (as sulfates) . max. 0.005 % Chloride (Cl) . . max. 0.0005% Sulfate (SO_4) . . max. 0.005 % Nitrate (NO_3) . . max. 0.0005% Heavy metals (as Pb) . . . . max. 0.001 % Iron (Fe) . . . . max. 0.0002%	1.3	P 250 g 500 g 1 kg 5 kg	5.25 8.75 14.75 64.	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1191	**Ammonium oxalate** extra pure Erg B 6 $(NH_4)_2C_2O_4 \cdot H_2O$ MW 142.11 TYPE ANALYSIS: Assay . . . . . 99% Chloride (Cl) . . . . . 0.002% Sulfate (SO_4) . . . . . 0.01 % Heavy metals (as Pb) . 0.002% Iron (Fe) . . . . . 0.001% Residue on ignition . . 0.05 %	1.2	P P P	500 g 1 kg 5 kg 9051/50 kg	6.— 10.— 42.—	6.80
1190	**Ammonium oxalate** $(NH_4)_2C_2O_4 \cdot H_2O$ MW 142.11 TYPE ANALYSIS: Assay . . . . . 99% Chloride (Cl) . . . . . 0.01 % Sulfate (SO_4) . . . . . 0.02 % Heavy metals (as Pb) . 0.005% Iron (Fe) . . . . . 0.002% Residue on ignition . . 0.1 %	1.3	P P P	1 kg 5 kg 9051/50 kg	9.— 36.75	5.80
1194	**Ammonium oxalate solution** (1 + 24) 1 l = 1.02 kg		P	500 ml	4.75	
1199	**Ammonium pentaborate Selectipur®** $NH_4B_5O_8 \cdot 4\,H_2O$ MW 272.15	1.2	P P	5 kg 50 kg	prices on application	
1201	**Ammonium peroxodisulfate** GR $(NH_4)_2S_2O_8$ MW 228.20 CERTIFICATE OF GUARANTEE: Assay of $(NH_4)_2S_2O_8$. min. 98% Free acid (as H_2SO_4) . . max. 0.2 % Chloride (Cl) . . max. 0.0005 % Heavy metals (as Pb) . . . max. 0.001 % Iron (Fe) . . . max. 0.001 % Manganese (Mn) . . . . max. 0.00005% Residue on ignition (as sulfates) . max. 0.05 %	0.9	P P P	500 g 1 kg 5 kg	5.— 7.10 28.25	
1200	**Ammonium peroxodisulfate** pure Erg B 6 $(NH_4)_2S_2O_8$ MW 228.20 TYPE ANALYSIS: Assay of $(NH_4)_2S_2O_8$ (iodometric) . . . . 98 % Chloride (Cl) . . . . 0.002 % Heavy metals (as Pb) 0.003 % Iron (Fe) . . . . . 0.003 % Manganese (Mn) . . . 0.0002%	1	P P P	1 kg 5 kg 100 kg	6.30 24.25	2.05

Ammonium persulfate see Ammonium peroxodisulfate

Ammonium phosphate dibasic
see *di*-Ammonium hydrogen phosphate

Ammonium phosphate monobasic
see Ammonium dihydrogen phosphate

Ammonium purpurate, acid see Murexide

Ammonium pyrochromate see Ammonium dichromate

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Ammonium rhodanide see Ammonium thiocyanate					
1210	**Ammonium salicylate** cryst. Erg B 6 $C_7H_9NO_3$ MW 155.15	1.5	P	1 kg	16.75	
				50 kg		14.40
	Ammonium sodium hydrogen phosphate see Sodium ammonium hydrogen phosphate					
	Ammonium sulfamate see Ammonium amidosulfonate					
1217	**Ammonium sulfate** GR $(NH_4)_2SO_4$ MW 132.14	1		500 g		
				1 kg		
				5 kg		
				50 kg		3.80

CERTIFICATE OF GUARANTEE:

Assay of $(NH_4)_2SO_4$	min. 99.5 %	Copper (Cu)	max. 0.0001%
pH [5% solution (20°C)]	5–6	Zinc (Zn)	max. 0.0001%
Chloride (Cl)	max. 0.0003%	Cadmium (Cd)	max. 0.0001%
Nitrate (NO_3)	max. 0.001 %	Iron (Fe)	max. 0.0005%
Phosphate (PO_4)	max. 0.0005%	Calcium (Ca)	max. 0.001 %
Lead (Pb)	max. 0.0002%	Residue on ignition (as sulfates)	max. 0.005 %

1211	**Ammonium sulfate** for biochemistry (LAB) $(NH_4)_2SO_4$ MW 132.14	1	P	1 kg	5.25	
				5 kg	16.75	
				50 kg		2.10
				2 x 50 kg		2
				5 x 50 kg		1.90

TYPE ANALYSIS:

Assay of $(NH_4)_2SO_4$ (acidimetric)	99.5 %	Chloride (Cl)	0.001 %
Substances insoluble in water	0.005 %	Nitrate (NO_3)	0.001 %
Residue on ignition (as sulfates)	0.01 %	Heavy metals (as Pb)	0.0005%
pH [5% solution (20° C)]	5–6	Iron (Fe)	0.0005%
		Calcium (Ca)	0.001 %
		Arsenic (As)	0.0001%

1216	**Ammonium sulfate** extra pure $(NH_4)_2SO_4$ MW 132.14	1	P	1 kg	4.75	
				5 kg	14.75	
				9051 50 kg		2.05

TYPE ANALYSIS:

Assay of $(NH_4)_2SO_4$ (acidimetric; on dried substance)	99 %	Heavy metals (as Pb)	0.001 %
pH [5% solution (20°C)]	5–6	Iron (Fe)	0.001 %
Chloride (Cl)	0.002 %	Arsenic (As)	0.0005%
Nitrate (NO_3)	0.002 %	Residue on ignition (as sulfates)	0.02 %
		Loss on drying (105°C)	1 %

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1215	**Ammonium sulfate** pure $(NH_4)_2SO_4$ MW 132.14 TYPE ANALYSIS: Assay of $(NH_4)_2SO_4$ (acidimetric; on dried substance) . . 99 % Chloride (Cl) . . . . 0.004% Nitrate (NO_3) . . . . . 0.003% Heavy metals (as Pb) . 0.002% Iron (Fe) . . . . . 0.002% Residue on ignition (as sulfates) . . . . 0.2 % Loss on drying (105°C) 2 %	1	2½ kg 5 kg 9051/50 kg	8.50 13.75	1.90
5442	**Ammonium sulfide solution** GR 1 l = 1.00 kg CERTIFICATE OF GUARANTEE: Assay of $(NH_4)_2S$ (ex NH_4) . . . min. 20 % Chloride (Cl) . . max. 0.05 % Lead (Pb) . . . max. 0.0005% Copper (Cu) . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Magnesium (Mg) max. 0.0005% Calcium (Ca) . . max. 0.003 % Sodium (Na) . . max. 0.005 % Potassium (K) . max. 0.001 % Residue on ignition (as sulfates) . . max. 0.05 %		500 ml 1 l 2½ l	5.25 9. 18.50	
1221	**Ammonium sulfite solution** about 35% (1.17–1.19) $(NH_4)_2SO_3$ MW 116.14 1 l = 1.17 kg		60 kg		1.50
	Ammonium sulfocyanide see Ammonium thiocyanate				
1222	*di*-**Ammonium tartrate** $(NH_4)_2C_4H_4O_6$ MW 184.15 TYPE ANALYSIS: Assay . . . . . 99 % Chloride (Cl) . . . . . 0.005% Sulfate (SO_4) . . . . . 0.002% Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.001% Calcium (Ca) . . . . . 0.02 % Residue on ignition . . 0.05 %	1.2	250 g 1 kg 5 kg 50 kg	4.75 12.75 53.—	7.90
	Ammonium tetrathiocyanatodiammonochromate see Reinecke salt				
1213	**Ammonium thiocyanate** GR NH_4SCN MW 76.12 CERTIFICATE OF GUARANTEE: Assay of NH_4SCN min. 99% pH (5% solution) 4–6 Substances insoluble in water . . . max. 0.005 % Chloride (Cl) . . max. 0.005 % Sulfide (S) . . . max. 0.001 % Sulfate (SO_4) . . max. 0.005 % Heavy metals (as Pb) . . . . max. 0.0005% Iron (Fe) . . . . max. 0.0002% Residue on ignition (as sulfates) . . max. 0.025 %	1.8	250 g 1 kg 5 kg	6.— 17.50 75.—	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1212	○	**Ammonium thiocyanate** cryst. pure Erg B 6 NH_4SCN MW 76.12 TYPE ANALYSIS: Assay of NH_4SCN (argentometric) . . 98.5 % Chloride (Cl) . . . . 0.01 % Sulfate (SO_4) . . . . 0.02 % Sulfide (S) . . . . . 0.002 % Heavy metals (as Pb) . 0.002 % Iron (Fe) . . . . . 0.0005% Residue on ignition (as sulfates) . . . . 0.05 %	1.7	500 g 1 kg 5 kg 9051/50 kg	8.— 12.— 50.—	7.50
9900 0001		**0.1 N Ammonium thiocyanate solution Titrisol®** (DBP No. 971 376) concentrated solution for preparation of 1 litre of 0,1 N solution		ampoule	3.50	
1662		**Ammonium thioglycollate solution,** content of thioglycollic acid about 50% $HSCH_2COONH_4$ MW 109.15 1 l = 1.20 kg		1 l carton cont. 48 kg (4 x 12 kg plastic container) case cont. 72 kg (6 x 12 kg plastic container)	11.75 prices on application	
		Ammonium uranate see Ammonium diuranate				
		Ammonium vanadate see Ammonium monovanadate				
370		**Amobarbital** (5-*iso*-amyl-5-ethylbarbituric acid) USP XVI $C_{11}H_{18}N_2O_3$ MW 226.28	1.8	100 g 1 kg	6.— 54.—	
1237		***dl*-Amphetamine** * BP 1958, USP XIV $C_9H_{13}N$ MW 135.21	1	100 g 1 kg	8.40 63.—	
1233		***dl*-Amphetaminium sulfate** * BP 1963, Cod Franç 1965, Ph Internat I, Ph Ned VI, USP XVII $C_{18}H_{28}N_2O_4S$ MW 368.50 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2	100 g 1 kg	8.10 59.—	
1243		***d*-Amphetaminium sulfate** * BP 1968, USP XVII $C_{18}H_{28}N_2O_4S$ MW 368.50 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	3	100 g 1 kg	21.— 173.—	

* For these items customers are requested to have their orders accompanied by an official Import Authorisation.

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1230	•|•	***n*-Amyl acetate** GR $C_7H_{14}O_2$ MW 130.19	1 l = 0.87 kg	250 ml 1 l	8.50 25.25	
1231	•|•	***iso*-Amyl acetate** pure $C_7H_{14}O_2$ MW 130.19	1 l = 0.87 kg	500 ml 1 l 2½ l 45 kg	7.— 11.50 23.50	8.65
975	•|•	***n*-Amyl alcohol** (1-pentanol) GR $C_5H_{11}OH$ MW 88.15 CERTIFICATE OF GUARANTEE: Assay (gas chromatographic) min. 98,5% d 20°/4° . . . . . 0.815–0.816 Refractive index ($n_D^{20°}$) . . . . . 1.409–1.410 Boiling-range . . . 137–139° C Non-volatile substances . . max. 0.002% Water (acc. to Karl Fischer) . . max. 0.2 %	1 l = 0.82 kg	500 ml 1 l 2½ l	8.25 13.75 31.50	
7500	•|•	***n*-Amyl alcohol** (1-pentanol) for synthesis (ORG) $C_5H_{11}OH$ MW 88.15	1 l = 0.82 kg	1 l 2½ l	11.50 25.25	
979	•|•	***iso*-Amyl alcohol** (3-methyl-1-butanol) GR $C_5H_{11}OH$ MW 88.15 CERTIFICATE OF GUARANTEE: Assay (gas chromatographic) . . . min. 99% Free acid (as CH_3COOH) max. 0.001 % *iso*-Amyl acetate . max. 0.5 % Furfural . . . . . max. 0.0001% Peroxides (as H_2O_2) . . . max. 0.001 % Readily carbonisable substances . . passes test Water . . . . . max. 0.1 % Non-volatile substances . . max. 0.002 %	1 l = 0.81 kg	500 ml 1 l 2½ l	7.50 13.— 30.—	
978	•|•	***iso*-Amyl alcohol** (3-methyl-1-butanol) for determination of fat acc. to Gerber $C_5H_{11}OH$ MW 88.15	1 l = 0.81 kg	1 l	9.50	
977	•|•	***iso*-Amyl alcohol** (3-methyl-1-butanol) extra pure Erg B 6 $C_5H_{11}OH$ MW 88.15	1 l = 0.81 kg	500 ml 1 l 2½ l 50 kg	6.— 11.— 23.75	10.—
976	•|•	***iso*-Amyl alcohol** (3-methyl-1-butanol) pure $C_5H_{11}OH$ MW 88.15	1 l = 0.81 kg	1 l 2½ l 50 kg	9.— 18.50	7.40

			Volume			Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
						DM	DM
1329	○	**α-Amylase** * (bacterial) lyophilised 170 U/mg for biochemistry (LAB)				9.75 39.50	
1326	○	**α-Amylase** * (pancreatic) lyophilised 320 U/mg for biochemistry (LAB)				22.– 184.–	
1327	○	**β-Amylase** * lyophilised 28 U/mg for biochemistry (LAB)				14.75 60.–	
1318	○	**β-Amylase** * lyophilised 45 U/mg, α-amylase activity less than 10^{-3} SKB units/mg for biochemistry (LAB)				25.–	

* These items have to be stored in a refrigerator.
Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.

iso-Amyl bromide see 1-Bromo-3-methylbutane

n-Amyl bromide see 1-Bromopentane

sec-Amyl bromide see 2-Bromopentane

5-*iso*-Amyl-5-ethylbarbituric acid see Amobarbital

1245	•I•	***iso*-Amyl nitrite** DAB 6 $C_5H_{11}NO_2$ MW 117.15 1 l = 0.88 kg			**250 ml**	6.80	

Amylobarbitone see Amobarbital

1330	○	**Amyloglucosidase** (glucamylase) lyophilised 50 U/mg for biochemistry (LAB) This item has to be stored in a refrigerator. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	3.5		5 g	23.	

Amylum see Starch

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5452	**Anaerobe agar** acc. to Brewer for microbiology (51 g for 1 litre of culture medium)	1.7		51 g 500 g 10 x 500 g	6.25 45.— 42.50	
5473 0015	**Anaerobiosis rings** acc. to Ott for microbiology			pack (15 rings)	19.75	
	Analgesine see Phenazone					
3661	**4,9(11)-Androstadiene-3,17-dione** (LAB) $C_{19}H_{24}O_2$ MW 284.40	3		1 g 10 g	53.— 473.—	
3662	**5α-Androstane-3β,17β-diol** (LAB) $C_{19}H_{32}O_2$ MW 292.47	3	P	1 g 10 g 100 g	6.50 45.— 400.—	
3663	**5α-Androstane-3,17-dione** (LAB) $C_{19}H_{28}O_2$ MW 288.43	3	P	1 g 10 g 100 g	7.50 47.25 420.	
3659	**5β-Androstane-3,17-dione** (LAB) $C_{19}H_{28}O_2$ MW 288.43	3	P	1 g 10 g	7.50 53.—	
	5β-Androstan-3α-ol-17-one see 3α-Etiocholanol-17-one					
3664	**5-Androstene-3β,17β-diol** (LAB) $C_{19}H_{30}O_2$ MW 290.45	4		10 g 100 g	29.— 236.—	
8957	**4-Androstene-3,17-dione** for biochemistry (LAB) $C_{19}H_{26}O_2$ MW 286.42	3		0.1 g	14.75	
3665	**4-Androstene-3,17-dione** (LAB) $C_{19}H_{26}O_2$ MW 286.42	2.5		10 g 100 g	42.— 341.—	
	4-Androstene-3,11,17-trione see Adrenosterone					
8958	**Androsterone** (3α-hydroxy-5α-androstan-17-one) for biochemistry (LAB) $C_{19}H_{30}O_2$ MW 290.45	3		0.1 g 1 g	4.50 14.75	

			Volume		Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
					DM	DM
3697		***epi*-Androsterone** (3β-hydroxy-5α-androstan-17-one) (LAB) $C_{19}H_{30}O_2$ MW 290.45	2.5	1 g 5 g 100 g	6.30 39.50 341.—	
		***iso*-Androsterone see *epi*-Androsterone**				
429	•I•	**Anethole** for synthesis (ORG) $C_{10}H_{12}O$ MW 148.21 1 l = 0.99 kg		250 ml	10.25	
		Aneurine see Thiamine				
1261	•I•	**Aniline** GR $C_6H_5NH_2$ MW 93.13 1 l = 1.02 kg CERTIFICATE OF GUARANTEE: Assay (gas chromatographic) min. 99.5% Hydrocarbons . . passes test Nitrobenzene . . max. 0.001% Water . . . . . max. 0.1 % Residue on ignition . . . max. 0.005%		250 ml 1 l	5.25 16.—	
1260	•I•	**Aniline** extra pure Erg B 6 $C_6H_5NH_2$ MW 93.13 1 l = 1.02 kg TYPE ANALYSIS: Assay (gas chromatographic) . . . . 99% d 20°/4° . . . . . 1.020–1.021 Refractive index ($n_D^{20°}$) . . . . . 1.585–1.586 Boiling-point . . . 182–183° C Residue on ignition 0.01%		1 l 5 l 25 kg 50 kg	7.— 25.—	4.15 3.75
		Aniline-d_5 see 2,3,4,5,6-Pentadeuteroaniline				

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1275	**Aniline blue** (china blue) water-soluble for bacteriology and microscopy	1.3	25 g 100 g	3.50 7.60	
	Aniline green see Malachite green				
1266/0001 •I•	**Aniline phthalate** spray reagent for chromatography		spray can (cont. about 260 ml)	6.30	
	Aniline-4-sulfonic acid see Sulfanilic acid				
	4-Anilinoanilinium chloride see 4-Aminodiphenylamine hydrochloride				
	4-Anilinobenzene sulfonic acid barium salt see Diphenylamine-4-sulfonic acid barium salt				
	2-Anilinoethanol see phenylaminoethanol				
	Anion exchangers see Ion exchangers II and III				
1450	**Anisaldehyde** $C_8H_8O_2$ MW 136.15	1 l = 1.12 kg	250 ml 1 l 20 kg	14.75 49.50	36.25
460	**Anise alcohol** for synthesis (ORG) $C_8H_{10}O_2$ MW 138.17	1 l = 1.11 kg	100 ml	10.-	
	Anisic acid see 4-Methoxybenzoic acid				
461 •I•	*o*-**Anisidine** for synthesis (ORG) C_7H_9NO MW 123.16	1 l = 1.09 kg	250 ml	8.40	
462 •I•	*m*-**Anisidine** for synthesis (ORG) C_7H_9NO MW 123.16	1 l = 1.10 kg	100 ml	13.75	
458 •I•	*p*-**Anisidine** for synthesis (ORG) C_7H_9NO MW 123.16		250 g	8.-	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1452	**Anisole** for synthesis (LAB) C_7H_8O MW 108.14 1 l = 0.99 kg		250 ml 1 l 20 kg	6.30 18.— price on application	
	ANPO see 2-(1-Naphthyl)-5-phenyloxazole				
1455	**Anthracene** standard for elementary analysis $C_{14}H_{10}$ MW 178.24 CERTIFICATE OF GUARANTEE: Carbon (C) . . . . . 94.3% Hydrogen . . . . . 5.7% Suitable for determination of C, H		5 g	6.80	
1454	**Anthracene** scintillation grade $C_{14}H_{10}$ MW 178.24		10 g 100 g	13.25 [illegible]	
	Anthracene-d_{10} see Decadeuteroanthracene				
	Anthracene yellow see Metachrome yellow				
	Anthranilic acid see 2-Aminobenzoic acid				
465	**Anthraquinone** for synthesis (ORG) $C_{14}H_8O_2$ MW 208.22		250 g 1 kg	7.— 20.50	
6273	**Anthraquinone-2-sulfonic acid sodium salt** (monohydrate) GR $C_{14}H_7NaO_5S \cdot H_2O$ MW 328.28 CERTIFICATE OF GUARANTEE: Assay (chelatometric, on anhydrous substance) . . . min. 98% Sulfate (SO_4) . . max. 0.005% Iron (Fe) . . . . . max. 0.001% Water . . . . . 5.2–5.8 % Sulfated ash . . . 21.0–22.2 %	1.9	10 g 25 g	5.80 11.50	
1458	**Anthrarobin**	4	25 g 50 g 250 g 1 kg	10.50 19.50 90.— 315.—	
1468	**Anthrone** GR $C_{14}H_{10}O$ MW 194.24	1.6	10 g	[illegible]	
1461	**Anthrone** for synthesis (LAB) $C_{14}H_{10}O$ MW 194.24 TYPE ANALYSIS: Melting-point . . . 155–156° C Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.001% Sulfated ash . . . . . 0.1% Water (acc. to Karl Fischer) 0.5%	1.6	25 g	15.50	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5272	**Antibiotic agar No. 1** (Grove and Randall medium No. 1) for microbiology (30.5 g for 1 litre of culture medium)	2	0031/30.5 g 500 g 10 x 500 g	5.— 32.50 30.50	
5270	**Antibiotic agar No. 2** (Grove and Randall medium No. 2) for microbiology (25.5 g for 1 litre of culture medium)	1.9	0026 25.5 g 500 g 10 x 500 g	5.— 35.— 33.—	
5271	**Antibiotic agar No. 5** (Grove and Randall medium No. 5) for microbiology (25.5 g for 1 litre of culture medium)	2	0028 25.5 g 500 g 10 x 500 g	5.— 35.— 33.—	
5269	**Antibiotic agar No. 11** (Grove and Randall medium No. 11) for microbiology (30.5 g for 1 litre of culture medium)	2.1	0031/30.5 g 500 g 10 x 500 g	5.— 30.— 28.—	
5273	**Antibiotic broth** (Grove and Randall medium No. 3) for microbiology (17.5 g for 1 litre of culture medium)	1.7	0018/17.5 g 500 g 10 x 500 g	3.25 28.— 25.—	
5392	**Antibiotic-sulfonamide sensitivity-test agar** (diffusion method) for microbiology (40 g for 1 litre of culture medium)	1.7	40 g 500 g 10 x 500 g	7.50 66.— 62.—	

Antichlor see Sodium thiosulfate

Antifebrin see Acetanilide

Antimonous acid see Antimony(III) oxide

7831	**Antimony** powder Sb AW 121.75	0.3	P	500 g 1 kg	34.50 67.—
7832	**Antimony** GR Sb AW 121.75	0.4	P	25 g	18.50
7838	**Antimony(III) chloride** GR $SbCl_3$ MW 228.11 CERTIFICATE OF GUARANTEE: Assay of $SbCl_3$. min. 99% Substances insoluble in ethanol . . . max. 0.02 % Substances insoluble in hydrochloric acid . . . . . max. 0.005 % Sulfate (SO_4) . . max. 0.005 % Lead (Pb) . . . max. 0.003 % Copper (Cu) . . max. 0.0005% Iron (Fe) . . . . max. 0.002 % Arsenic (As) . . max. 0.0005% Calcium (Ca) . . max. 0.005 % Sodium (Na) . . max. 0.005 % Potassium (K) . . max. 0.005 %	0.7		100 g 250 g 1 kg	10.50 24.— 82.50

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7833	•I•	**Antimony(III) chloride** cryst. $SbCl_3$ MW 228.11	0.6	100 g 250 g 1 kg	8.— 17.25 58.—	
[illegible]	•I•	**Antimony(V) chloride** for chromatography $SbCl_5$ MW 299.02		50 g (5x10 g) 250 g	[illegible] [illegible]	
[illegible]	•I•	**Antimony(III) fluoride** for synthesis (LAB) SbF_3 MW 178.75 TYPE ANALYSIS: Assay of SbF_3 (iodometric) . . . . . 99% Arsenic (As) 0.005%	0.5	250 g 1 kg	[illegible] 67.50	
7836		**Antimony(III) oxide** GR Sb_2O_3 MW 291.50 CERTIFICATE OF GUARANTEE: Assay of Sb_2O_3 . . min. 99% Antimony(V) oxide (Sb_2O_5) . . . . max. 1 % Substances insoluble in hydrochloric acid . . . . . max. 0.01 % Substances soluble in water max. 0.05 % Chloride (Cl) . . max. 0.05 % Sulfate (SO_4) . . max. 0.01 % Lead (Pb) . . . . max. 0.002% Calcium (Ca) . . max. 0.002% Sodium (Na) . . . max. 0.002% Potassium (K) . . max. 0.002% Copper (Cu) . . . max. 0.002% Iron (Fe) . . . . max. 0.003% Arsenic (As) . . . max. 0.005%	0.6	100 g [illegible] g 1 kg	11.— 25.50 88.—	
7835		**Antimony(III) oxide** white pure Sb_2O_3 MW 291.50	1	500 g 1 kg 5 kg 9051/50 kg	27.50 53.50 243.— price on application	
7830		**Antimony(III) oxide** tablets **Patinal**® one tablet about 1.5 g Sb_2O_3 MW 291.50		100 g 1 kg	80.— price on application	
		Antimony pentachloride see Antimony(V) chloride				
		di-Antimony pentasulfide see Antimony(V) sulfide				
		Antimony potassium tartrate see Potassium antimony(III) oxide tartrate				
		Antimony sulfide black see Antimony(III) sulfide				
		Antimony sulfide golden see Antimony(V) sulfide				
7843		**Antimony(III) sulfide** chips **Patinal**® chip size about 4–20 mm Sb_2S_3 MW 339.69		100 g 1 kg	77.— price on application	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7842	**Antimony(III) sulfide** powder Sb_2S_3 MW 339.69	0.5	500 g 1 kg 5 kg 50 kg	23.— 44.25 205.— price on application	
7840	**Antimony(V) sulfide** Sb_2S_5 MW 403.85	3	250 g 1 kg 5 kg 9051/50 kg	15.25 49.— 223.— price on application	
	Antimony trichloride see Antimony(III) chloride				
	Antimony trifluoride see Antimony(III) fluoride				
	di-Antimony trioxide see Antimony(III) oxide				
	di-Antimony trisulfide see Antimony(III) sulfide				
	Antioxidants see Oxynex®				
	Antipyrine see Phenazone				
9642 0001	**Apiezon® grease L** for gas chromatography ® = registered trade-mark of Apiezon Production Ltd.		1 bottle (about 45 g)	70.—	
8019/0001	**Aquamerck®** Complete reagent kit for determination of chlorine content and pH of swimming pool water		pack	5.—	
8020 0001	**Aquamerck®** test vessel for determination of chlorine content and pH		pack	15.—	
8011/0001	**Aquamerck®** Reagent kit for determination of water hardness. Complete reagent kit for determination of hardness of industrial water and for rapid testing of practically de-hardened water.		pack for 50 determinations	7.50	
8744	**Aquamerck®** refill indicator tablets for determination of water hardness — 1 tablet per determination		500 tablets	25.—	
8434	**Aquamerck®** for determination of water hardness Titration solution 1 drop = 1° dH		250 ml	5.—	
8017/0001	**Aquamerck®** hydrazine reagent for determination of hydrazine		pack	7.50	
8018 0001	**Aquamerck®** test vessel for determination of hydrazine		pack	15.—	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
501301	**Aquocobalamin acetate** $C_{64}H_{93}CoN_{13}O_{17}P$ MW 1406.44 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2		1 g 5 g 25 g	prices on application	
1493	D(−)**Arabinose** for biochemistry (LAB) $C_5H_{10}O_5$ MW 150.13	2.1		5 g	6.30	
1494	D(−)**Arabinose** for bacteriology $C_5H_{10}O_5$ MW 150.13	2.1		5 g 25 g	5.25 18.50	
1492	L(+)**Arabinose** for bacteriology $C_5H_{10}O_5$ MW 150.13	3.6		5 g 25 g 100 g	4.25 13.25 44.75	
	see also Carbohydrate test leaflets					
1491	L(+)**Arabinose** for biochemistry (LAB) $C_5H_{10}O_5$ MW 150.13	3.6		5 g	6.30	
1486	D-**Arabitol** (monohydrate) for biochemistry (LAB) $C_5H_{12}O_5$ MW 152.15	2		1 g	8.50	
124	**Arachic acid** for biochemistry (LAB) $C_{20}H_{40}O_2$ MW 312.54	2		1 g 5 g	5.30 22.50	
1495	**Arecolinium bromide** cryst. DAB 6, BPC 1949, Cod Franç 1949, NF XII, Ph Ned VI $C_8H_{14}BrNO_2$ MW 236.12	1.1	P	100 g	53.—	
1542	L(+)**Arginine** for biochemistry (LAB) $C_6H_{14}N_4O_2$ MW 174.20 TYPE ANALYSIS: Assay (perchloric acid titration; on dried substance) . 99% Melting-range 225–235° C Specific rotation ($[\alpha]_D^{20°}$; c = 5, 1 N HCl) . +25° to +26.5° Chloride (Cl) . . . . 0.01 % Sulfate (SO_4) . . . . 0.005 % Heavy metals (as Pb) . 0.001 % Iron (Fe) . . . . . 0.001 % Ammonium (NH_4) . . 0.0005% Sulfated ash . . . . . 0.1 % Water (acc. to Karl Fischer) . . . . 1 %	2.3		5 g 100 g 1 kg	5.80 16.25 price on application	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packir Prices per kg DM
1543	L(+)**Arginine monohydrochloride** for biochemistry (LAB) $C_6H_{15}ClN_4O_2$ MW 210.66 TYPE ANALYSIS: Assay (perchloric acid titration; on dried substance) . 99% Melting-range . 220–230° C (within 2°) Specific rotation ($[\alpha]_D^{20°}$; c = 5, 1N HCl) . . +21° to +22° Sulfate (SO_4) . . 0.01 % Heavy metals (as Pb) . . . . 0.001 % Iron (Fe) . . . . 0.001 % Ammonium (NH_4) 0.0005% Sulfated ash . . . 0.1 % Water (acc. to Karl Fischer) . . 0.5 %	2.3	P	25 g 100 g 250 g 1 kg	6.30 18.50 43.— price on application	
1544	L(+)**Arginine monohydrochloride** $C_6H_{15}ClN_4O_2$ MW 210.66	2.3	P	250 g 1 kg	31.50 105.—	
5344	**Arnd's alloy** (LAB) TYPE ANALYSIS: Composition . . about 65% Cu, about 35% Mg Particle size about 0.15–1.5 mm Total nitrogen (N) 0.01%	0.5		250 g 1 kg 5 kg	8.75 27.50 125.—	
	o-Arsanilic acid see 2-Aminobenzenearsonic acid					
	Arsanilic acid see 4-Aminobenzenearsonic acid					
	Arsenic white see *di*-Arsenic trioxide					
115	**Arsenic** GR As AW 74.92			25 g	29.—	
114	*di*-**Arsenic pentoxide hydrate** GR $3\ As_2O_5 \cdot 5\ H_2O$ MW 779.60 CERTIFICATE OF GUARANTEE: Assay of $3\ As_2O_5 \cdot 5H_2O$ (iodometric) . . min. 99 % Assay of As_2O_3 (iodometric) . . max. 0.05 % Substances insoluble in water . . . . max. 0.005% Chloride (Cl) . . . max. 0.001% Sulfide (S) . . . . max. 0.001% Heavy metals (as Pb) . . . . max. 0.002% Copper (Cu) . . . max. 0.001% Iron (Fe) . . . . . max. 0.002%	0.7	P	250 g 1 kg	8.— 25.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
111	***di*-Arsenic pentoxide hydrate** extra pure $3\,As_2O_5 \cdot 5\,H_2O$ MW 779.60	0.7	250 g 1 kg	5.80 16.75	
112	***di*-Arsenic pentoxide hydrate** extra pure $3\,As_2O_5 \cdot 5\,H_2O$ MW 779.60	0.7	50 kg		11.90
119	***di*-Arsenic trioxide** resublimed GR As_2O_3 MW 197.84 CERTIFICATE OF GUARANTEE: Assay of As_2O_3 (iodometric) . min. 99.5 % Substances insoluble in hydrochloric acid and hydrogen peroxide . . . max. 0.015 % Non-volatile substances . . max. 0.05 % Chloride (Cl) . . max. 0.005 % Sulfide (S) . . . max. 0.001 % Heavy metals (as Pb) . . . . max. 0.0005% Iron (Fe) . . . . max. 0.001 % Antimony (Sb) . max. 0.05 %	0.8	250 g 1 kg	6.— 17.—	
120	***di*-Arsenic trioxide** resublimed GR volumetric standard As_2O_3 MW 197.84 CERTIFICATE OF GUARANTEE: Assay of As_2O_3 99.95–100.05% Substances insoluble in hydrochloric acid and hydrogen peroxide . . . . max. 0.005% Non-volatile substances . . . max. 0.02 % Chloride (Cl) . . . max. 0.005% Sulfide (S) . . . . max. 0.001% Heavy metals (as Pb) . . . . . max. 0.001% Iron (Fe) . . . . . max. 0.001% Antimony (Sb) . . max. 0.02 %	0.9	100 g		
123	***di*-Arsenic trioxide** powder pure DAB 7, NF XI, Ph Ned VI As_2O_3 MW 197.84	0.8	500 g 1 kg 5 kg 50 kg	5.— 7.40 28.50	4.50
	Arsenious acid anhydride see *di*-Arsenic trioxide				
	Arsenious oxide see *di*-Arsenic trioxide				
	1-(2-Arsonophenylazo)-2-hydroxy-3,6-naphthalene-disulfonic acid sodium salt see Thorin				
1560	**Asbestos** for Gooch crucibles (LAB) TYPE ANALYSIS: Substances soluble in water 0.5% Substances soluble in sodium hydroxide solution (5%) . . . . . 1 % Substances soluble in hydrochloric acid (5%) 1 % Loss on drying (105°C) . 0.1%	10	25 g 100 g 250 g 1 kg		

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
127	L(+)**Ascorbic acid** (vitamin C) GR $C_6H_8O_6$ MW 176.13 CERTIFICATE OF GUARANTEE: Assay (oxidimetric) min. 99.7 % Specific rotation ($[\alpha]_D^{20°}$; c = 2 in H_2O) + 22° to + 23° Chloride (Cl) . . max. 0.005 % Sulfate (SO_4) . . max. 0.002 % Heavy metals (as Pb) . . . . max. 0.001 % Iron (Fe) . . . max. 0.0002 % Loss on drying . max. 0.1 % Sulfated ash . . max. 0.05 %	1.2	P	25 g 100 g 250 g 1 kg	4.50 8.50 20.— 65.—	
500074	L(+)**Ascorbic acid** (vitamin C) cryst. extra pure DAB 7, BP 1963, Cod Franç 1965, JP VI, Ph Internat I, Ph Ned VI, USP XVII $C_6H_8O_6$ MW 176.13 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.1	P	100 g 1 kg 5 kg 50 kg	prices on application	
500078	L(+)**Ascorbic acid** (vitamin C) extra pure fine powder DAB 7, BP 1963, Cod Franç 1965, JP VI, Ph Internat I, Ph Ned VI, USP XVII $C_6H_8O_6$ MW 176.13	1.9		1 kg 5 kg 50 kg		
500577	L(+)**Ascorbic acid** (vitamin C) cryst. extra pure coated, for tablets and capsules $C_6H_8O_6$ MW 176.13	1		1 kg 5 kg 50 kg		
501487	L(+)**Ascorbic acid** (vitamin C) crist. extra pure coated special grade S, for tablets and capsules	1.5		1 kg 5 kg 50 kg		
500090	L(+)**Ascorbyl palmitate** $C_{22}H_{38}O_7$ MW 414.54	3.1		100 g 1 kg 5 kg 25 kg	prices on application	
1566	L(−)**Asparagine** for biochemistry (LAB) $C_4H_8N_2O_3 \cdot H_2O$ MW 150.14 TYPE ANALYSIS: Assay (perchloric acid titration; on dried substance) . 99% Melting-range . 260–270° C (within 3°) Specific rotation ($[\alpha]_D^{25°}$; c = 5, HCl 10%) . . +33° to +35° Chloride (Cl) . 0.002% Sulfate (SO_4) . . 0.005 % Heavy metals (as Pb) . . . . 0.001 % Iron (Fe) . . . . . 0.0005 % Ammonium(NH_4) . 0.0005 % Sulfated ash . . . 0.1 % Aspartic acid . . . 0.2 % Water (acc. to Karl Fischer) . . 11.5–12.5%	1.2	P	25 g 100 g 1 kg	8. 24.— price on application	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1565	**L(−)Asparagine** pure $C_4H_8N_2O_3 \cdot H_2O$ MW 150.14 TYPE ANALYSIS: Assay (perchloric acid titration; on dried substance) . 99% Melting-range . 260–270° C (within 3°) Specific rotation ($[\alpha]_D^{25°}$; c = 5, HCl 10%) . . +33° to +35° Chloride (Cl) . 0.002% Sulfate (SO_4) . . 0.005 % Heavy metals (as Pb) . . . . 0.001 % Iron (Fe) . . . . . 0.001 % Ammonium(NH_4) . 0.0005 % Sulfated ash . . . 0.1 % Water (acc. to Karl Fischer) . . 11.5–12.5%	1.2		25 g 100 g 250 g 1 kg	6.30 18.— 42.— price on application	
126	**L(+)Aspartic acid** for biochemistry (LAB) $C_4H_7NO_4$ MW 133.10 TYPE ANALYSIS: Assay (acidimetric; on dried substance) . . . 99% Melting-range (decomposition) about 320° C Specific rotation ($[\alpha]_D^{20°}$; c = 5, 1N HCl) . . . . +23° Chloride (Cl) . . . . 0.005 % Sulfate (SO_4) . . . . 0.005 % Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.0005% Ammonium (NH_4) . . 0.0005% Sulfated ash . . . . 0.1 % Water (acc. to Karl Fischer) . . . 0.5 %	1.5		25 g 100 g 1 kg	6.25 18.50 150.—	
129	**L(+)Aspartic acid** $C_4H_7NO_4$ MW 133.10 TYPE ANALYSIS: Assay (acidimetric; on dried substance) . . . 99% Melting-range (decomposition) about 320° C Specific rotation ($[\alpha]_D^{20°}$; c = 5, 1N HCl) . . . . +23° Chloride (Cl) . . . . 0.01 % Sulfate (SO_4) . . . . 0.01 % Heavy metals (as Pb) . 0.002% Iron (Fe) . . . . . 0.002% Ammonium (NH_4) . . 0.05 % Sulfated ash . . . . . 0.1 % Water (acc. to Karl Fischer) . . . . 1.0 %	1.5		100 g 1 kg	7.50 price on application	
164	**L-Aspartic acid β-benzylester** for synthesis (LAB) $C_{11}H_{13}NO_4$ MW 223.23	2.5		[illegible]	12.50	
125	**L-Aspartic acid dimethyl ester hydrochloride** for synthesis (LAB) $C_6H_{12}ClNO_4$ MW 197.62			[illegible]	7.60	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1278	**Astra® blue** for histology and histochemistry	2		10 g	4.—	
1570	**Atropine** cryst. Erg B 6, BP 1963, Cod Franç 1965, NF XII 1. Suppl., Ph Internat I $C_{17}H_{23}NO_3$ MW 289.38	2	P	10 g 100 g	7.50 69.—	
	Atropine methylbromide see *N*-Methylatropinium bromide					
	Atropine methylnitrate see *N*-Methylatropinium nitrate					
1575	**Atropinium sulfate** cryst. DAB 7, BP 1963, Cod Franç 1949, JP VII, Ph Internat I, Ph Ned VI, USP XVII $C_{34}H_{48}N_2O_{10}S \cdot H_2O$ MW 694.85 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2.5	P 	5 g 10 g 25 g 100 g 1 kg	3.25 6.— 13.75 52.50 price on application	
1576	**Atropinium sulfate** DAB 7, BP 1963, Cod Franç 1949, JP VII, Ph Internat I, Ph Ned VI, USP XVII fine powder $C_{34}H_{48}N_2O_{10}S \cdot H_2O$ MW 694.85	4	P	100 g	55.—	
1301	**Auramine** (C. I. No. 41 000, S. No. 752) for microscopy	2		25 g 100 g	3.25 6.10	
128	**Aurin tricarboxylic acid ammonium salt** (reagent for aluminium) GR $C_{22}H_{23}N_3O_9$ MW 473.44 CERTIFICATE OF GUARANTEE: Substances insoluble in water . . . . passes test Sulfated ash . . . max. 0.2% Sensitivity as reagent for Al . . . . . passes test	1.4	P	10 g 25 g	4.50 9.20	
	1-Azabicyclo(2,2,2)octan-3-ol see 3-Quinuclidinol					
	1-Aza-3-chlorobicyclo(2,2,2)octane see 3-Chloroquinuclidine					
	Azacycloheptane see Hexamethylenimine					

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
[illegible]	•/•	**4-Azaheptamethylenediamine** for synthesis (ORG) $C_6H_{17}N_3$ MW 131.22 1 l = 0.93 kg		500 ml	12.—	
1445		**7-Azaindole** for synthesis (ORG) $C_7H_6N_2$ MW 118.14		1 g	[illegible]	
1279		**4-Aza-4-methylheptamethylenediamine** for synthesis (ORG) $C_7H_{19}N_3$ MW 145.25 1 l = 0.90 kg		250 ml	[illegible]	
		3-Aza-1,5-pentanediamine see Diethylenetriamine				
		1-Azatetralin see 1,2,3,4-Tetrahydroquinoline				
		2-Azatetralin see 1,2,3,4-Tetrahydroisoquinoline				
189	•/•	**Azelanitrile** for synthesis (ORG) $C_9H_{14}N_2$ MW 150.23 1 l = 0.92 kg		10 ml	[illegible]	
1590		**Azide glucose broth** for microbiology (35 g for 1 litre of culture medium)	1.4	35 g 500 g 10x500 g	[illegible]	
1591		**Azobenzene** standard for elementary analysis $C_{12}H_{10}N_2$ MW 182.23 CERTIFICATE OF GUARANTEE: Carbon (C) . . . . . 79.1% Nitrogen (N) . . . . . 15.4% Hydrogen (H) . . . . . 5.5% Suitable for determination of C, H, N	2	5 g	[illegible]	
		2,2'-Azobis(2-methylpropionitrile) see α,α'Azo-*iso*-butyronitrile				
1595	•/•	α,α'**Azo-*iso*-butyronitrile** [2,2'-azobis(2-methylpropionitrile)] for synthesis (LAB) $C_8H_{12}N_4$ MW 164.21 TYPE ANALYSIS: Assay (ex N) . . . 95% Water (acc. to Karl Fischer) . . . . 0.5% Melting-range . . . 102–105° C	[illegible]	[illegible] 1 kg	13.75 45.25	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1593	**Azocarmine G** (C. I. No. 50 085, S. No. 949) for histology	2	25 g	13.75	
	Azodicarbonamide see Azodicarboxamide				
184	**Azodicarboxamide** for synthesis (ORG) $C_2H_4N_4O_2$ MW 116.08		100 g	8.	
1597	**Azolitmin indicator** pH 5.0—8.0 reddish to violet	1.5	5 g	10.50	
1598	**Azorubine** (carmoisine) food dye E 122 (C. I. No. 14720, S. No. 208) $C_{20}H_{12}N_2O_7S_2Na_2$ MW 492.44		100 g 1 kg	5.25 31.50	
1404	**4,4'-Azoxyanisole Licristal®** for spectroscopy $C_{14}H_{14}N_2O_3$ MW 258.28	1.5	25 g 100 g	16.75 58.	
1423	**Azoxybenzene** for synthesis (LAB) $C_{12}H_{10}N_2O$ MW 198.23	2	100 g 1 kg	11.— 82.50	
1405	**4,4'-Azoxyphenetole Licristal®** for spectroscopy $C_{16}H_{18}N_2O_3$ MW 286.33	1.5	25 g 100 g	23.25 79.—	
9211	**Azur II** for microscopy	2	5 g 25 g	3.75 9.	
	Azur eosin methylene-blue see Giemsa's azur eosin methylene-blue				

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	BAA see N^{α}-Benzoyl-L-argininamide hydrochloride					
	BAEE see N^{α}-Benzoyl-L-arginine ethyl ester hydrochloride					
	Balsam Canada see Canada balsam					
	Balsam Peru see Peruvian balsam					
276	**Barbital** (5,5-diethylbarbituric acid) GR $C_8H_{12}N_2O_3$ MW 184.20 CERTIFICATE OF GUARANTEE: Assay (acidimetric) min. 99%; Chloride (Cl) . . max. 0.005%; Sulfate (SO_4) . . max. 0.003%; Heavy metals (as Pb) . . . . max. 0.001%; Loss on drying (105°C) . . . . max. 0.2 %; Sulfated ash . . . max. 0.01 %	1.6	P	100 g 500 g	8.40 32.50	
500535	**Barbital** (5,5-diethylbarbituric acid) DAB 7, BPC 1963, Cod Franç 1949, JP VI, NF XI, Ph Internat I, Ph Ned VI $C_8H_{12}N_2O_3$ MW 184.20	1.6	P 	100 g 1 kg 5 kg 25 kg 50 kg	5.25 32.50 157.50	 30.— 28.75
6318	**Barbital sodium** (5,5-diethylbarbituric acid sodium salt) GR $C_8H_{11}N_2NaO_3$ MW 206.18 CERTIFICATE OF GUARANTEE: Assay (acidimetric) min. 99%; Substances insoluble in water passes test; Chloride (Cl) . . max. 0.005%; Sulfate (SO_4) . . max. 0.003%; Heavy metals (as Pb) . . . . max. 0.001%; Free barbital . . max. 0.1 %; Loss on drying (105°C) . . . . max. 0.5 %	1.5	P	100 g 500 g	8.40 32.50	
500538	**Barbital sodium** (5,5-diethylbarbituric acid sodium salt) DAB 7, BPC 1963, JP VI, NF XI, Ph Internat I, Ph Ned VI $C_8H_{11}N_2NaO_3$ MW 206.18	1.5	P 	100 g 1 kg 5 kg 25 kg 50 kg	5.50 35.— 170.—	 32.50 31.25
133	**Barbituric acid** (LAB) $C_4H_4N_2O_3 \cdot 2\,H_2O$ MW 164.12 TYPE ANALYSIS: Assay (acidimetric) 99,5%; Foreign organic substances . . passes test; Heavy metals (as Pb) . 0.003%; Iron (Fe) . . . . . 0.001%; Sulfated ash . . . . . 0.1 %	1.5	P	25 g 100 g	4.50 11.50	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1704	**Barium acetate** GR $Ba(CH_3COO)_2$ MW 255.43 CERTIFICATE OF GUARANTEE: Assay of $Ba(CH_3COO)_2$ min. 99%; pH (5% solution) 7.0–8.5; Chloride (Cl) . max. 0.0005%; Total nitrogen (N) max. 0.0005%; Heavy metals (as Pb) . . . max. 0.0005%; Iron (Fe) . . . . max. 0.0005%; Calcium (Ca) . max. 0.005 %; Strontium (Sr) . max. 0.15 %; Substances not precipitated by sulfuric acid (as sulfates) . max. 0.1 %; Substances reducing $KMnO_4$ (as HCOOH) . max. 0.025 %	0.8	P 500 g 1 kg	7.50 13.—	
1705	**Barium acetate Selectipur®** $Ba(CH_3COO)_2$ MW 255.43	0.8	P 1 kg	price on application	
1703	**Barium acetate** cryst. extra pure $Ba(CH_3COO)_2$ MW 255.43 TYPE ANALYSIS: Assay of $Ba(CH_3COO)_2$ (chelatometric) . . . 98 %; Substances insoluble in water . . . . . 0.01 %; pH (5% solution 20°C) 6–8.5; Chloride (Cl) . . . . 0.004%; Total nitrogen (N) . . 0.005%; Heavy metals (as Pb) . 0.001%; Iron (Fe) . . . . . 0.001%; Calcium (Ca) . . . . 0.05 %; Strontium (Sr) . . . . 0.2 %; Substances not precipitated by dilute sulfuric acid (as sulfates) . . . . 0.3 %; Substances reducing $KMnO_4$ (as HCOOH) . . . 0.025%	0.9	P 1 kg 5 kg 50 kg	9.50 39.—	6.—
1714	**Barium carbonate** GR $BaCO_3$ MW 197.35 CERTIFICATE OF GUARANTEE: Assay of $BaCO_3$. min. 99%; Substances insoluble in hydrochloric acid . . . . . max. 0.01 %; Chloride (Cl) . . max. 0.001 %; Sulfide (S) . . max. 0.0005%; Total nitrogen (N) max. 0.002 %; Heavy metals (as Pb) . . . max. 0.001 %; Iron (Fe) . . . . max. 0.001 %; Calcium (Ca) . . max. 0.003 %; Strontium (Sr) . max. 0.7 %; Hydroxide and alkali carbonate [as $Ba(OH)_2$] . max. 0.015 %; Substances not precipitated by dilute sulfuric acid (as sulfates) . max. 0.1 %	2	P 250 g 1 kg	6.50 20.—	
1711	**Barium carbonate Selectipur®** $BaCO_3$ MW 197.35	2	P 5 kg 50 kg	prices on application	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1713	**Barium carbonate** precipitated extra pure $BaCO_3$ MW 197.35	1.5	1 kg 5 kg 9051/50 kg	12.50 47.25	 7.30

TYPE ANALYSIS:

Assay of $BaCO_3$ (chelatometric)	98.5 %	Iron (Fe)	0.001%
Substances insoluble in dilute hydrochloric acid	0.02 %	Calcium (Ca)	0.005%
Chloride (Cl)	0.003%	Strontium (Sr)	0.8 %
Total nitrogen (N)	0.005%	Barium hydroxide $[Ba(OH)_2]$	0.05 %
Sulfide (S)	0.001%	Substances not precipitated by dilute sulfuric acid (as sulfates)	0.3 %
Heavy metals (as Pb)	0.002%		

1712	**Barium carbonate** precipitated pure $BaCO_3$ MW 197.35	1.3	1 kg 5 kg 9051/50 kg	9.50 37.75	 5.80

TYPE ANALYSIS:

Assay of $BaCO_3$ (chelatometric)	98%	Iron (Fe)	0.005%
Chloride (Cl)	0.2 %	Substances not precipitated by dilute sulfuric acid (as sulfates)	1 %
Heavy metals (as Pb)	0.002%		

1710	**Barium carbonate** precipitated $BaCO_3$ MW 197.35	1.3	5 kg 9051/50 kg	12.—	 1.44

TYPE ANALYSIS:

Assay of $BaCO_3$ (chelatometric)	97 %	Sulfide (S)	0.5 %
Chloride (Cl)	0.5 %	Heavy metals (as Pb)	0.003%
		Iron (Fe)	0.005%

Barium chloranilate see Chloranilic acid barium salt

1721	**Barium chlorate** powder $Ba(ClO_3)_2 \cdot H_2O$ MW 322.26	0.8	1 kg 50 kg	6.80	 3.65

TYPE ANALYSIS:

Assay of $Ba(ClO_3)_2 \cdot H_2O$ (chelatometric)	99%	Chloride (Cl)	0.02 %
		Heavy metals (as Pb)	0.002%

1716	Barium chloride Suprapur® $BaCl_2$ MW 208.25	0.7	500 g	19. 137.—	

CERTIFICATE OF GUARANTEE:

Lead (Pb)	max. $2 \cdot 10^{-6}$ % (0.02 ppm)
Copper (Cu)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Nickel (Ni)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Iron (Fe)	max. $2 \cdot 10^{-6}$ % (0.02 ppm)
Manganese (Mn)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Zinc (Zn)	max. $2 \cdot 10^{-6}$ % (0.02 ppm)
Calcium (Ca)	max. $5 \cdot 10^{-4}$ % (5 ppm)

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packin Prices per kg DM
1719	**Barium chloride** GR $BaCl_2 \cdot 2\,H_2O$ MW 244.28 CERTIFICATE OF GUARANTEE: Assay of $BaCl_2 \cdot 2\,H_2O$ min. 99% pH (5% solution) 5–8 Total nitrogen (N) . . . . . max. 0.002 % Heavy metals (as Pb) . . . max. 0.0005 % Iron (Fe) . . . max. 0.0001 % Calcium (Ca) . max. 0.005 % Strontium (Sr) . max. 0.05 % Substances not precipitated by sulfuric acid (as sulfates) max. 0.02 %	0.7	P P P	500 g 1 kg 5 kg 50 kg	6.— 10.— 40.—	6.—
1717	**Barium chloride** cryst. extra pure DAB 6 $BaCl_2 \cdot 2\,H_2O$ MW 244.28 TYPE ANALYSIS: Assay of $BaCl_2 \cdot 2\,H_2O$ (chelatometric) . . . 99 % Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.001% Substances not precipitated by dilute sulfuric acid (as sulfates) 0.1%	0.7	P P	1 kg 5 kg 9051/50 kg	5.80 22.—	3.15
1707	**Barium 2-cyanoethyl phosphate** for synthesis (LAB) $C_3H_4BaNO_4P$ MW 286.38	3		5 g	9.—	
	Barium dioxide see Barium peroxide					
	Barium diphenylaminesulfonate see Diphenylamine-4-sulfonic acid barium salt					
1722	**Barium fluoride Suprapur®** BaF_2 MW 175.34 CERTIFICATE OF GUARANTEE: Lead (Pb) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Copper (Cu) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Iron (Fe) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Calcium (Ca) . . . . . max. $1 \cdot 10^{-2}$ % (100 ppm) Sodium (Na) . . . . . max. $5 \cdot 10^{-3}$ % (50 ppm)	0.7	P P	50 g 500 g	19. 137.	
1725	**Barium fluoride Optipur®** BaF_2 MW 175.34	0,7	P	1 kg	price on application	
1724	**Barium fluoride** HP **Optipur®** BaF_2 MW 175.34	0.3	P P	100 g 1 kg	prices on application	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1737	**Barium hydroxide** GR $Ba(OH)_2 \cdot 8\,H_2O$ MW 315.48 CERTIFICATE OF GUARANTEE: Assay of $Ba(OH)_2 \cdot 8\,H_2O$ min. 98% Barium carbonate ($BaCO_3$) . . . max. 2 % Substances insoluble in hydrochloric acid . . . . . max. 0.005 % Chloride (Cl) . . max. 0.001 % Sulfide (S) . . . max. 0.00005% Heavy metals (as Pb) . . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Calcium (Ca) . max. 0.002 % Strontium (Sr) . max. 0.5 % Substances not precipitated by sulfuric acid (as sulfates) . . max. 0.2 %	1.1	P	500 g 1 kg		
1735	**Barium hydroxide** cryst. extra pure $Ba(OH)_2 \cdot 8\,H_2O$ MW 315.48 TYPE ANALYSIS: Assay of $Ba(OH)_2 \cdot 8\,H_2O$ (acidimetric) . . . . 98 % Barium carbonate ($BaCO_3$) (acidimetric) . . . . 2 % Substances insoluble in dilute hydrochloric acid . . . . . 0.01 % Chloride (Cl) . . . . 0.002% Sulfide (S) . . . . . 0.001% Heavy metals (as Pb) . 0.002% Iron (Fe) . . . . . 0.001% Calcium (Ca) . . . . . 0.005% Strontium (Sr) . . . . 0.5 % Substances not precipitated by dilute sulfuric acid (as sulfates) . . . . 0.2 %	1	P □ □	**1 kg** **5 kg** **9051/50 kg**	6.60 23.75	 3.25
1732	**Barium hydroxide** technical $Ba(OH)_2 \cdot 8\,H_2O$ MW 315.48	1.1	□	**9051/50 kg**	2.10
	Barium mercury(II) iodide solution see Rohrbach's solution				
1729	**Barium nitrate** GR $Ba(NO_3)_2$ MW 261.35 CERTIFICATE OF GUARANTEE: Assay of $Ba(NO_3)_2$ min. 99% pH (5% solution) 5–8 Chloride (Cl) . max. 0.0005% Heavy metals (as Pb) . . . max. 0.0005% Iron (Fe) . . . . max. 0.0002%. Calcium (Ca) . . max. 0.002 % Strontium (Sr) . . max. 0.05 % Ammonium (NH_4) max. 0.001 % Substances not precipitated by sulfuric acid (as sulfates) . max. 0.05 %		P	500 g		

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1723	**Barium nitrate Selectipur®** $Ba(NO_3)_2$ MW 261.35	0.6	5 kg 50 kg	prices on application	
1727	**Barium nitrate** cryst. extra pure Erg B 6 $Ba(NO_3)_2$ MW 261.35 TYPE ANALYSIS: Assay of $Ba(NO_3)_2$ (chelatometric) . . 99 % Chloride (Cl) . . . . 0.002 % Heavy metals (as Pb) . 0.001 % Iron (Fe) . . . . . 0.0005% Substances not precipitated by dilute sulfuric acid (as sulfates) . . . . 0.1 %	0.6	1 kg 5 kg 9051/50 kg	5.25 19.—	 2.90
1731	**Barium oxide** anhydrous pure BaO MW 153.34 TYPE ANALYSIS: Assay of BaO (acidimetric) . . . . 97 % Substances insoluble in dilute hydrochloric acid . . 0.2 % Chloride (Cl) . . . . 0.05 % Sulfide (S) . . . . . 0.002% Heavy metals (as Pb) . 0.005% Iron (Fe) . . . . . 0.02 %	1.5	500 g 1 kg 50 kg	10.— 18.—	 13.10
1738	**Barium perchlorate** anhydrous GR $Ba(ClO_4)_2$ MW 336.24 CERTIFICATE OF GUARANTEE: Assay of $Ba(ClO_4)_2$ . . min. 98% Substances insoluble in water . . . max. 0.1 % Substances insoluble in methanol . . max. 0.1 % Chloride (Cl) . . max. 0.01 % Heavy metals (as Pb) . . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Calcium (Ca) . max. 0.05 % Strontium (Sr) . max. 0.01 % Substances not precipitated by sulfuric acid (as sulfates) . . max. 0.2 % Water . . . . . max. 2.0 %	0.7	250 g 1 kg	9. 28.50	
9086	**0.005 M Barium perchlorate solution** in 2-propanol/water		1 l	7.60	
1740	**Barium peroxide** anhydrous BaO_2 MW 169.34 TYPE ANALYSIS: Assay (iodometric) . . 85 % Substances insoluble in dilute hydrochloric acid . . 3 % Chloride (Cl) . . . . . 0.02% Heavy metals (as Pb) . 0.01% Iron (Fe) . . . . . 0.02% Alkali metals and calcium (as sulfates) . . . . . 1 %	0.4	1 kg 25 kg	14.25	 10.—

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1748	**Barium sulfate** for primary-white standard $BaSO_4$ MW 233.40 CERTIFICATE OF GUARANTEE: Absolute degree of spectral diffuse reflectance Wave length (nm) $\beta_{dif,}{}^0$ 400 0.971 500 0.984 600 0.987 700 0.987	1.6	250 g	26.25	
1750	**Barium sulfate** extra pure for X-ray diagnosis DAB 7, USP XVII $BaSO_4$ MW 233.40	1.1	bag 1 kg 5 kg 50 kg	3.20 11.75	1000 kg 1.75 1.65
1752	**Barium sulfate** fine powder (max. 0.05% Cl) (not for internal use) $BaSO_4$ MW 233.40	0.6	9051/50 kg		1.31
1648	**Bathocuproine** (2,9-dimethyl-4,7-diphenyl-1,10-phenanthroline) GR $C_{26}H_{20}N_2$ MW 360.46	3	0.1 g 1 g	18.— 75.—	
1654	**Bathocuproinedisulfonic acid disodium salt** (2,9-dimethyl-4,7-diphenyl-1,10-phenanthrolinedisulfonic acid disodium salt) GR $C_{26}H_{18}N_2Na_2O_6S_2$ MW 564.55	1.5	0.1 g 1 g 5 g	20.— 75.— 340.—	
1642	**Bathophenanthroline** (4,7-diphenyl-1,10-phenanthroline) GR $C_{24}H_{16}N_2$ MW 332.41		0.25 g 1 g 5 g	13.75 49.— 237.—	
1650	**Bathophenanthrolinedisulfonic acid disodium salt** (4,7-diphenyl-1,10-phenanthrolinedisulfonic acid disodium salt) GR $C_{24}H_{14}N_2Na_2O_6S_2 \cdot 3\,H_2O$ MW 590.54		0.25 g 1 g 5 g	20.50 71.— 315.—	
2252	**Beeswax** white discs DAB 7	2	250 g 1 kg	8.— 23.75	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1334	**Behenic acid** for biochemistry (LAB) $C_{22}H_{44}O_2$ MW 340.59	4.5	10 g	11.—	
	Benzalacetophenone see Benzylideneacetophenone				
1756	**Benzaldehyde** extra pure DAB 6, NF X C_6H_5CHO MW 106.13 1 l = 1.04 kg		500 ml 1 l 2½ l 20 kg 50 kg	6.80 11.50 23.75	8.50 7.60
	Benzaldehyde-d_5 see Pentadeuterobenzaldehyde				
	Benzalphthalide see Benzylidenephthalide				
2191	**Benzamide** for synthesis (ORG) C_7H_7NO MW 121.14	2	250 g	16.—	
	Benzamidoacetic acid see Hippuric acid				
1793	**Benzene** for protein sequenation acc. to Edman and Begg C_6H_6 MW 78.11 1 l = 0.88 kg		1 l	15.—	
1792	**Benzene** for pesticide residue analysis C_6H_6 MW 78.11 1 l = 0.88 kg		1 l	10.—	
1780	**Benzene** dried (max. 0.01% H_2O) GR C_6H_6 MW 78.11 1 l = 0.88 kg		1 l	8.—	
1783	**Benzene** crystallisable GR C_6H_6 MW 78.11 1 l = 0.88 kg		1 l 2½ l standard box 15 x 1 l 1 l 5.20 8 x 15 x 1 l 1 l 5.— 8 x 2½ l 2½ l 11.40 8 x 8 x 2½ l 2½ l 11.—	5.50 12.—	
	CERTIFICATE OF GUARANTEE: Assay (gas chromatographic) . . . min. 99.5% Free acid (as HCl) . . max. 0.001 % Free alkali (as NaOH) . max. 0.001 % Crystallisation point . . . min. 5.2° C Lead (Pb) . . . max. 0.000001% Copper (Cu) . . max. 0.000001% Iron (Fe) . . . max. 0.00001 % Zinc (Zn) . . . max. 0.000001% Thiophene . . max. 0.0005 % Sulfur compounds (as S) . . . . max. 0.005 % Readily carbonisable substances . passes test Water . . . . max. 0.03 % Non-volatile substances . max. 0.001 %				
9646	**Benzene** reference substance for gas chromatography C_6H_6 MW 78.11		5 ml	21.—	

			Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1785	•|•	**Benzene** for fluorometry C_6H_6 MW 78.11 Fluorescence corresp. to max. $2 \cdot 10^{-7}$ g quinine in 100 ml 0.1 N H_2SO_4	1 l = 0.88 kg		
			1 l	16.	
1779	•|•	**Benzene** for spectroscopy **Uvasol**® C_6H_6 MW 78.11 CERTIFICATE OF GUARANTEE: Suitability for UV spectroscopy (1-cm cell; reference : water) Transmittance 280 nm . . . . . min. 25% 300 nm . . . . . min. 90% 320 nm . . . . . min. 95% 350 nm . . . . . 100% Suitability for IR and NMR spectroscopy passes test	1 l = 0.88 kg		
			500 ml	8.50	
			1 l	12.—	
			2½ l	24.—	
1790	•|•	**Benzene** crystallisable **Selectipur**® C_6H_6 MW 78.11	1 l = 0.88 kg		
			2½ l	price on application	
1782	•|•	**Benzene** crystallisable extra pure Cod Franç 1965 C_6H_6 MW 78.11 TYPE ANALYSIS: Assay (gas chromatographic) . . . . 99% d 20°/4° . . . . . 0.878–0.879 Refractive index ($n_D^{20°}$) . . . . . 1.500–1.502 Boiling-range . . . 79–80.5° C Non-volatile substances . . . . 0.001 % Thiophene . . . . . 0.0005% Water (acc. to Karl Fischer) . . . 0.03 %	1 l = 0.88 kg		
			1 l	5.—	
			2½ l	9.25	
			30 kg		3.—
			55 kg		2.80
1781	•|•	**Benzene** crystallisable pure Erg B 6 C_6H_6 MW 78.11	1 l = 0.88 kg		
			aluminium bottle 1¼ l	5.60	
			2½ l	7.50	
			standard box 3 x 8 x 1¼ l	1¼ l 5.30	
			12 x 8 x 1¼ l	1¼ l 5.10	
			8 x 2½ l	2½ l 7.—	
			8 x 8 x 2½ l	2½ l 6.75	
			30 kg		2.25
			55 kg		2.05

Benzene-d_6 see Hexadeuterobenzene

1,4-Benzenedicarbaldehyde see Terephthalaldehyde

1,2-Benzenedicarbonitrile see Phthalonitrile

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
468	**Benzenesulfonic acid** for synthesis (ORG) $C_6H_6O_3S$ MW 158.18			250 g	14.75	
470	**Benzenesulfonyl chloride** for synthesis (LAB) $C_6H_5ClO_2S$ MW 176.62 1 l = 1.38 kg			500 ml 1 l	7.50 13.25	
1299	**1,3,5-Benzenetricarboxylic acid** for synthesis (ORG) $C_9H_6O_6$ MW 210.14		F	50 g	12.—	
1644	**Benzhydrol** (diphenylcarbinol) for synthesis (LAB) $C_{13}H_{12}O$ MW 184.24 TYPE ANALYSIS: Assay (by acetylation) 98% Melting-point . . . . 67–68° C Sulfated ash . . . . 0.1% Water (acc. to Karl Fischer) . 0.5%	4	F	100 g	15.75	
	Benzhydryl bromide see Bromodiphenylmethane					
	Benzhydryl chloride see Chlorodiphenylmethane					
	Benzhydrylpyridine see Diphenylpyridylmethane					
1762	**Benzidine** GR $C_{12}H_{12}N_2$ MW 184.24 CERTIFICATE OF GUARANTEE: Assay (perchloric acid titration) . min. 99% Melting-point . . . 127–129° C Sulfate (SO_4) . . max. 0.05 % Heavy metals (as Pb) . . . . max. 0.002% Iron (Fe) . . . . max. 0.001% Sulfated ash . . . max. 0.05 %	1.5		25 g 100 g 250 g	6.30 18.— 42.—	
1763	**Benzidine** for detection of blood $C_{12}H_{12}N_2$ MW 184.24 CERTIFICATE OF GUARANTEE: Assay (perchloric acid titration) . min. 99% Melting-point . . . 127–129° C Iron (Fe) . . . . max. 0.001% Substances reacting with hydrogen peroxide . . . . passes test Sulfated ash . . . max. 0.05 % Suitability for detection of blood . . . . passes test	2		25 g 100 g 250 g	5.— 13.25 31.—	

		Volume		Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
				DM	DM
1760	**Benzidine** extra pure Erg B 6 $C_{12}H_{12}N_2$ MW 184.24	1.5	25 g 100 g 250 g 1 kg	5.25 14.75 34.75 116.—	
1764	**Benzidine** tablets for detection of blood		1 x 20 Tabl. 10 x 20 Tabl.	3.50 2.65	
1761	**Benzidinium chloride** GR $C_{12}H_{14}Cl_2N_2$ MW 257.16 CERTIFICATE OF GUARANTEE: Assay (acidimetric) . . min. 99 % Substances insoluble in water max. 0.02 % Sulfate (SO_4) . . . max. 0.01 % Water . . . . . max. 0.5 % Sulfated ash . . max. 0.05 %	2.2	25 g 100 g	4.75 13.50	
1632	**Benzil** for synthesis (LAB) $C_{14}H_{10}O_2$ MW 210.23 TYPE ANALYSIS: Assay . . . . . 97% Melting-point . . . . 94–95° C Sulfated ash 0.1%	1.5	[illegible] 1 kg	[illegible] [illegible]	
140	**Benzilic acid** pure $C_{14}H_{12}O_3$ MW 228.25	2.3	100 g 1 kg	8.25 60.—	
	Benzine see Petroleum benzine				
	Benzocaine see Ethyl 4-aminobenzoate				
	5-(1,3-Benzodioxole)-carbaldehyde see Piperonal				
	Benzoguanamine see 2,6-Diamino-4-phenyl-1,3,5-triazine				
136	**Benzoic acid** GR $C_7H_6O_2$ MW 122.12 CERTIFICATE OF GUARANTEE: Assay (acidimetric) min. 99.9% Melting-point . . 121–123 °C Sulfate (SO_4) . . max. 0.002 % Iron (Fe) . . . . max. 0.0002% Sulfated ash . . . max. 0.01 %	1.8	100 g 250 g 1 kg	4.25 8.50 24.75	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
135	**Benzoic acid** GR volumetric standard $C_7H_6O_2$ MW 122.12 CERTIFICATE OF GUARANTEE: Assay of $C_7H_6O_2$ . . 99.5–100.05% Substances insolubles in chloroform . . max. 0.005 % Residue on ignition (as sulfates) . max. 0.01 % Sulfate (SO_4) . max. 0.003 % Heavy metals (as Pb) . . . max. 0.0005 % Iron (Fe) . . . max. 0.0004 % Substances reducing $KMnO_4$ (as O) . . . . max. 0.008 %	2	100 g	5.25	
134	**Benzoic acid** standard for elementary analysis $C_7H_6O_2$ MW 122.12 CERTIFICATE OF GUARANTEE: Carbon (C) . . . . . 68.8% Hydrogen (H) . . . . . 5.0% Oxygen (O) . . . . . 26.2% Suitable for determination of C, H, O	1.8	5 g	6.80	
130	**Benzoic acid** sublimed white DAB 6, BP 1968, Ph Internat I, USP XVI, powder $C_7H_6O_2$ MW 122.12	1.6	1 kg 5 kg 50 kg 5 x 50 kg 20 x 50 kg	6.25 25.— prices on application	
	Benzoic acid-d_5 see Pentadeuterobenzoic acid				
	Benzoic acid anhydride-d_{10} see Decadeuterobenzoic anhydride				
131	**Benzoic anhydride** for synthesis (ORG) $C_{14}H_{10}O_3$ MW 226.23	1.2	100 g	13.—	
1776	**Benzoin** pure $C_{14}H_{12}O_2$ MW 212.25	1.5	250 g 1 kg	13.75 45.25	
1767	**Benzoin** $C_{14}H_{12}O_2$ MW 212.25	1.5	250 g 1 kg	8.75 26.25	

		Volume		Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
				DM	DM
1778	**Benzoin-α-oxime** GR (reagent for copper and molybdenum) $C_{14}H_{13}NO_2$ MW 227.27 CERTIFICATE OF GUARANTEE: Melting-point . . 153–155° C Substances insoluble in ethanol . . . max. 0.01 % Suitability for determination of copper . . . passes test	1.5	10 g 25 g		
	Benzol see Benzene				
1800	**Benzonitrile** for synthesis (LAB) C_6H_5CN MW 103.12 1 l = 1.00 kg TYPE ANALYSIS: Assay (ex N) . . . 99% d 20°/4° . . . . . 1.004–1.006 Refractive index ($n_D^{20°}$) . . . . . 1.528–1.529 Boiling-range . . . 189–191° C Sulfated ash . . . 0.05%		100 ml 500 ml	4.50 13.25	
	Benzonitrile-d_5 see Pentadeuterobenzonitrile				
1801	**Benzophenone** for synthesis (LAB) $C_{13}H_{10}O$ MW 182.22 TYPE ANALYSIS: Melting-point . . . . 47–49° C Saponifiable substances (as benzoyl chloride) 0.08 % Sulfated ash . . . . . 0.03 %	1.7	250 g 1 kg	8.25 24.75	
	Benzophenone *N*-bromoimine see Bromoiminodiphenylmethane				
	5,6-Benzo-2-pyron see Coumarin				
6216	**Benzo[f]quinoline** (5,6-benzoquinoline) GR (reagent for cadmium and bismuth) $C_{13}H_9N$ MW 179.22 CERTIFICATE OF GUARANTEE: Assay (perchloric acid titration) . min. 99% Melting-range . . 90–93° C Substances insoluble in ethanol . . . max. 0.005% Sulfated ash . . max. 0.1 % Suitability for determination of metals . . . passes test	1.9	5 g 25 g		

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
9627	**Benzo[h]quinoline** (7,8-benzoquinoline) for gas chromatography $C_{13}H_9N$ MW 179.22	1.5	100 g	34.25	
2410	***p*-Benzoquinone** (p-quinone) for synthesis (LAB) $C_6H_4O_2$ MW 108.10 TYPE ANALYSIS: Assay (iodometric) 99%; Iron (Fe) . . . . . 0.001% Melting-range . . . 113–115° C; Sulfated ash . . . . . 0.1 % Heavy metals (as Pb) 0.001%	2	100 g 1 kg	8.75 63.—	
1268	**2-Benzothiazolylamine** for synthesis (ORG) $C_7H_6N_2S$ MW 150.20		25 g	7.50	
1802	**1,2,3-Benzotriazole** (1*H*-benzotriazole) $C_6H_5N_3$ MW 119.13	2.8	100 g 1 kg 5 kg	8.— 53.— 236.—	
1798	**1,2,3-Benzotriazole** (1*H*-benzotriazole) technical $C_6H_5N_3$ MW 119.13	2.8	1 kg 5 kg 25 kg	36.75 158.—	 27.50
2454	**Benzotrichloride** (α,α,α-trichlorotoluene) for synthesis (ORG) $C_7H_5Cl_3$ MW 195.48 1 l = 1.38 kg		1 l	12.—	
1646	**Benzotrifluoride** (α,α,α-trifluorotoluene) for synthesis (LAB) $C_7H_5F_3$ MW 146.11 1 l = 1.19 kg TYPE ANALYSIS: Assay (gas chromatographic) . . . . 98%; Refractive index ($n_D^{20°}$) . . . . . 1.414–1.417 d 20°/4° . . . . . 1.187–1.190; Boiling-range (95%) 100–103° C		250 ml	12.75	
2195	**Benzoylacetone** for synthesis (ORG) $C_{10}H_{10}O_2$ MW 162.19	1.2	25 g	14.—	
1673	***N*α-Benzoyl-L-argininamide hydrochloride** (monohydrate) (BAA) for biochemistry (LAB) $C_{13}H_{20}ClN_5O_2$ MW 331.80	2	1 g	9.—	
1672	***N*α-Benzoyl-L-arginine ethyl ester hydrochloride** (BAEE) for biochemistry (LAB) $C_{15}H_{23}ClN_4O_3$ MW 342.83	1	5 g	27.25	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1670 ○	**N^{α}-Benzoyl-DL-arginine-4-nitroanilide hydrochloride** for biochemistry (LAB) $C_{19}H_{23}ClN_6O_4$ MW 434.89 Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	2	1 g 5 g	9.75 37.—	
137	**2-Benzoylbenzoic acid** for synthesis (ORG) $C_{14}H_{10}O_3$ MW 226.23	2	250 g	10.—	
1804 •|• *	**Benzoyl chloride** for synthesis (LAB) C_6H_5COCl MW 140.57 1 l = 1.21 kg TYPE ANALYSIS: Assay (argentometric) . 98% d 20°/4° . . . . . 1.210–1.215 Boiling-range (95%) 196–198° C Sulfated ash . . . 0.1%		250 ml 1 l	5.75 14.20	
1803 •|• *	**Benzoyl chloride** pure C_6H_5COCl MW 140.57 1 l = 1.21 kg		500 ml 1 l 50 kg	7.10 12.25	5.90
	Benzoyl chloride-d_5 see Pentadeuterobenzoyl chloride				
	Benzoylglycine see Hippuric acid				
	Benzoylglycyl-L-phenylalanine see Hippuryl-L-phenylalanine				
1641 •|•	**Benzoyl peroxide** 97% (min. 20% H_2O) for synthesis (LAB) $C_{14}H_{10}O_4$ MW 242.23 TYPE ANALYSIS: Assay (iodometric; on anhydrous substance) . . . 97% Melting-point . . . 103–105° C	1.5	250 g 1 kg	8.— 23.75	
1844	***N*-Benzoyl-*N*-phenylhydroxylamine** GR (for determination of aluminium etc.) $C_{13}H_{11}NO_2$ MW 213.24 CERTIFICATE OF GUARANTEE: Assay (ex N) . . min. 98% Melting-point . . 121–122° C Substances insoluble in ethanol . . . max. 0.01 % Sulfated ash . . . max. 0.05 % Suitability for determination of metals . . . passes test	2.1	5 g 10 g	9.25 16.75	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1518	**2-Benzoylpyridine** for synthesis (ORG) $C_{12}H_9NO$ MW 183.21		25 g	7.—	
1520	**4-Benzoylpyridine** for synthesis (ORG) $C_{12}H_9NO$ MW 183.21		25 g	7.—	
1679	**2-Benzoylthiophene** for synthesis (ORG) $C_{11}H_8OS$ MW 188.25	1.3	100 g	18.50	
3181 •|•	**Benzylacetate** for synthesis (ORG) $C_9H_{10}O_2$ MW 150.18	1 l = 1.04 kg	1 l	13.—	
1521	**Benzylacetone** for synthesis (ORG) $C_{10}H_{12}O$ MW 148.21	1 l = 0.98 kg	250 ml	15.25	
9626 •|• *	**Benzyl alcohol** GR $C_6H_5CH_2OH$ MW 108.14 CERTIFICATE OF GUARANTEE: Assay (gas chromatographic) . . . min. 99.5% d 20°/4° . . . . . 1.043–1.046 Refractive index ($n_D^{20°}$) . . . . 1.538–1.540 Boiling-range . . 204–207° C Acid (as benzoic acid) max. 0.025% Chlorinated compounds . . max. 0.02 % Aldehydes . . . passes test Non-volatile substances . . max. 0.02 %	1 l = 1.04 kg	250 ml 1 l 2½ l	5.50 16.— 35.—	
981 •|• *	**Benzyl alcohol** Erg B 6, BP 1963, NF XII $C_6H_5CH_2OH$ MW 108.14	1 l = 1.04 kg	500 ml 1 l 2½ l 50 kg	6.50 11.50 24.—	7.50
	Benzyl alcohol-d_5 see Pentadeuterobenzyl alcohol				
1812 •|•	**Benzylamine** for synthesis (LAB) C_7H_9N MW 107.16	1 l = 0.99 kg	250 ml 1 l	8.50 26.50	
2198	**2-Benzylaminoethanol** for synthesis (ORG) $C_9H_{13}NO$ MW 151.21	1 l = 1.05 kg	250 ml	24.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1806	*	**Benzyl benzoate** Erg B 6, BP 1968, USP XVII $C_{14}H_{12}O_2$ MW 212.25 1 l = 1.11 kg Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	500 ml aluminium bottle 1¼ l standard box 8 x 1¼ l 5 l 50 kg	8.50 18.50 63.—	 8.90
		N^{im}-Benzyl-*N*$^{\alpha}$-benzyloxycarbonyl-L-histine see *N*$^{\alpha}$-Benzyloxycarbonyl-*N*^{im}-Benzyl-L-histine			
1815	•|•	**Benzyl bromide** for synthesis (LAB) C_7H_7Br MW 171.04 1 l = 1.43 kg	250 ml	24.25	
		N^{im}-Benzyl-*N*$^{\alpha}$-(*tert*-butoxycarbonyl)-L-histine see *N*$^{\alpha}$(*tert*-Butoxycarbonyl)-*N*^{im}-benzyl-L-histine			
		O-Benzyl-*N*-(*tert*-butoxycarbonyl-L-tyrosine see *N*-(*tert*-Butoxycarbonyl)-*O*-benzyl-L-tyrosine			
		Benzyl butyl ketone see 1-Phenyl-2-hexanone			
		Benzyl calcium phthalate see Calcium benzylphthalate			
1809	•|•	**Benzyl chloride** (α-chlorotoluene) for synthesis (LAB) C_7H_7Cl MW 126.59 1 l = 1.10 kg TYPE ANALYSIS: Assay (gas chromatographic) . . . . 97% d 20°/4° . . . . . 1.096–1.101 Refractive index ($n_D^{20°}$) . . . . . 1.538–1.541 Boiling-range (95%, 12 mm) . . . 62–66° C	1 l	9.25	
		L-*N*-(1-Benzyl-3-chloroacetonyl)-*p*-toluenesulfonamide see *N*-Tosyl-L-phenylalanylchloromethane			

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
879	**Benzyl chloroformate solution** (carbobenzoxy chloride) about 50% in toluene for synthesis (LAB) 1 l = 1.06 kg		250 ml 1 l	14.— 46.25	
239	**Benzyl cinnamate** for synthesis (ORG) $C_{16}H_{14}O_2$ MW 238.29		100 g	8.50	
1811	**Benzyl cyanide** for synthesis (LAB) C_8H_7N MW 117.15 1 l = 1.02 kg TYPE ANALYSIS: Assay (gas chromatographic) . . . . 98% d 20°/4° . . . . . 1.014–1.018 Refractive index ($n_D^{20°}$) . . . . . 1.520–1.524 Boiling-range (95%) 230–234° C		500 ml 1 l	9.— 15.75	
1900	*S*-**Benzyl-L-cysteine** for synthesis (LAB) $C_{10}H_{13}NO_2S$ MW 211.28		1 g 5 g	5.25 15.25	
1905	*S*-**Benzyl-L-cysteine methyl ester hydrochloride** for synthesis (LAB) $C_{11}H_{16}ClNO_2S$ MW 261.77		1 g 5 g	7.50 28.50	
	N-Benzyldimethylamine see *N*,*N*-Dimethylbenzylamine				
	Benzyldimethylcarbinol see 2-Methyl-1-phenyl-2-propanol				
	Benzylethanolamine see Benzylaminoethanol				
	Benzyl ether see Dibenzyl ether				
1697	*N*-**Benzylethylamine** for synthesis (ORG) $C_9H_{13}N$ MW 135.21 1 l = 0.92 kg		100 ml	10.75	
1696	*Nim*-**Benzyl-L-histidine** for synthesis (LAB) $C_{13}H_{15}N_3O_2$ MW 245.28	3	1 g	8.50	
1516	**Benzylideneacetone** for synthesis (ORG) $C_{10}H_{10}O$ MW 146.19		250 g	9.50	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1580	**Benzylideneacetophenone** for synthesis (ORG) $C_{15}H_{12}O$ MW 208.26		100 g	13.25	
	3-Benzylidene-1,3-dihydro-1-benzo[c]furanone see Benzylidenephthalide				
1581	**Benzylidenephthalide** for synthesis (ORG) $C_{15}H_{10}O_2$ MW 222.25		100 g 1 kg	8.50 63.—	
	1-Benzylidene-2-propanone see Benzylideneacetone				
	Benzylidyne trichloride see Benzotrichloride				
	Benzylidyne trifluoride see Benzotrifluoride				
2226	**Benzylmercaptan** for synthesis (ORG) C_7H_8S MW 124.21	1 l = 1.05 kg	100 ml	10.50	
1681	*N*-**Benzylmethylamine** for synthesis (ORG) $C_8H_{11}N$ MW 121.18	1 l = 0.94 kg	100 ml	9.50	
	Benzylmethylcarbinol see 1-Phenyl-2-propanol				
1523	**Benzyl methyl ketone** for synthesis (ORG) $C_9H_{10}O$ MW 134.18	1 l = 1.02 kg	250 ml	20.—	
6752	**Benzyl nicotinate** $C_{13}H_{11}NO_2$ MW 213.24	1 l = 1.16 kg	100 ml 1 l 2½ l	7.50 53.— 118.—	
2374	*N*-**Benzyloxycarbonyl-L-alanine** for synthesis (LAB) $C_{11}H_{13}NO_4$ MW 223.23			8.25 34.25	
2433	*N*α-**Benzyloxycarbonyl-L-asparagine** for synthesis (LAB) $C_{12}H_{14}N_2O_5$ MW 266.26			6.30 26.25	
2379	*N*-**Benzyloxycarbonyl-L-aspartic acid** for synthesis (LAB) $C_{12}H_{13}NO_6$ MW 267.24			6.25 20.50	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2495	**N-Benzyloxycarbonyl-L-aspartic acid β-benzyl ester** for synthesis (LAB) $C_{19}H_{19}NO_6$ MW 357.37	2	P	5 g	16.75	
2401	**N-Benzyloxycarbonyl-S-benzyl-L-cysteine** for synthesis (LAB) $C_{18}H_{19}NO_4S$ MW 345.42		P	5 g 25 g	13.25 60.—	
2434	**N^{a}-Benzyloxycarbonyl-N^{im}-benzyl-L-histidine** for synthesis (LAB) $C_{21}H_{21}N_3O_4$ MW 379.42		P	5 g	23.75	
2402	**N-Benzyloxycarbonyl-O-benzyl-L-tyrosine** for synthesis (LAB) $C_{24}H_{23}NO_5$ MW 405.45		P	5 g	16.75	
2376	**N-Benzyloxycarbonyl-L-glutamic acid** for synthesis (LAB) $C_{13}H_{15}NO_6$ MW 281.27		P	5 g 25 g	6.30 26.25	
2435	**N-Benzyloxycarbonyl-L-glutamic acid-γ-benzylester** for synthesis (LAB) $C_{20}H_{21}NO_6$ MW 371.39	4	P	5 g	23.75	
2375	**N-Benzyloxycarbonyl-L-glutamine** for synthesis (LAB) $C_{13}H_{16}N_2O_5$ MW 280.28		P	5 g 25 g	8.25 34.25	
2344	**N-Benzyloxycarbonyl-L-α-glutamyl-L-tyrosine** for biochemistry (LAB) $C_{22}H_{24}N_2O_8$ MW 444.45	5	▼	1 g	8.50	
2367	**N-Benzyloxycarbonylglycine** for synthesis (LAB) $C_{10}H_{11}NO_4$ MW 209.20	2	P	5 g 25 g	6.30 26.25	
2345	**N-Benzyloxycarbonylglycyl-L-phenylalanine** for biochemistry (LAB) $C_{19}H_{20}N_2O_5$ MW 356.38	4	▼	1 g	11.—	
2368	**$N^{α}$-Benzyloxycarbonyl-L-histidine hydrazide** for synthesis (LAB) $C_{14}H_{17}N_5O_3$ MW 303.32		P	5 g 25 g	13.25 60.—	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2346	**N^{α}-Benzyloxycarbonyl-L-histidyl-L-phenylalanyl-L-phenylalanine ethyl ester** for biochemistry (LAB) $C_{34}H_{37}N_5O_6$ MW 611.70	3		1 g	21.—	
2403	***N*-Benzyloxycarbonyl-4-hydroxy-L-proline** for synthesis (LAB) $C_{13}H_{15}NO_5$ MW 265.27	2		5 g	23.75	
2497	***O*-Benzyloxycarbonyl-*N*-hydroxysuccinimide** for synthesis (LAB) $C_{12}H_{11}NO_5$ MW 249.23	2		5 g	16.75	
2377	***N*-Benzyloxycarbonyl-L-leucine dicyclohexylammonium salt** for synthesis (LAB) $C_{26}H_{42}N_2O_4$ MW 446.64			5 g 25 g	6.30 26.25	
2372	***N*-Benzyloxycarbonyl-L-leucine dicyclohexylammonium salt** for synthesis (LAB) $C_{26}H_{42}N_2O_4$ MW 446.64			1 g	15.75	
2369	**N^{ε}-Benzyloxycarbonyl-L-lysine** for synthesis (LAB) $C_{14}H_{20}N_2O_4$ MW 280.33	2		5 g 25 g	10.50 45.25	
2378	**N^{ε}-Benzyloxycarbonyl-L-lysine methyl ester hydrochloride** for synthesis (LAB) $C_{15}H_{23}ClN_2O_4$ MW 330.81	2.5		1 g 5 g	8.50 33.—	
2474 ○	**N^{α}-Benzyloxycarbonyl-L-lysine-4-nitrophenyl ester hydrochloride** for biochemistry (LAB) $C_{20}H_{24}ClN_3O_6$ MW 437.88 Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	4		1 g	21.—	
2436	***N*-Benzyloxycarbonyl-L-methionine** for synthesis (LAB) $C_{13}H_{17}NO_4S$ MW 283.35	2		5 g	12.	
2405	**N^{α}-Benzyloxycarbonyl-N^{ω}-nitro-L-arginine** for synthesis (LAB) $C_{14}H_{19}N_5O_6$ MW 353.34	2		5 g	16.75	
2409	**N^{δ}-Benzyloxycarbonyl-L-ornithine methyl ester hydrochloride** for synthesis (LAB) $C_{14}H_{21}ClN_2O_4$ MW 316.79			1 g	21.	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	N-(Benzyloxycarbonyloxy)-succinimide see *O*-Benzyloxycarbonyl-*N*-hydroxysuccinimide					
2370	***N*-Benzyloxycarbonyl-L-phenylalanine** for synthesis (LAB) $C_{17}H_{17}NO_4$ MW 299.33	2		5 g 25 g	10.50 45.25	
2371	***N*-Benzyloxycarbonyl-L-proline** for synthesis (LAB) $C_{13}H_{15}NO_4$ MW 249.27	2	P	5 g 25 g	8.-- 34.25	
2373	***N*-Benzyloxycarbonyl-L-serine** for synthesis (LAB) $C_{11}H_{13}NO_5$ MW 239.23		P	5 g	13.25	
2437	***N*-Benzyloxycarbonyl-L-threonine** for synthesis (LAB) $C_{12}H_{15}NO_5$ MW 253.26	2	P	5 g	16.75	
2438	***N*α-Benzyloxycarbonyl-L-tryptophan** for synthesis (LAB) $C_{19}H_{18}N_2O_4$ MW 338.37	3	P	5 g 25 g	10.— 40.—	
2439	***N*-Benzyloxycarbonyl-L-valine** for synthesis (LAB) $C_{13}H_{17}NO_4$ MW 251.28	6	P	5 g 25 g	10.— 40.—	
	4-Benzyloxyphenol see Hydroquinone monobenzyl ether					
	Benzyl *trans*-3-phenylpropenoate see Benzyl cinnamate					
1822	**1-Benzyl-4-piperidinone** for synthesis (ORG) $C_{12}H_{15}NO$ MW 189.26 1 l = 1.06 kg			25 ml	11.–	
1586	**Benzyl propyl ketone** for synthesis (ORG) $C_{11}H_{14}O$ MW 162.23 1 l = 0.96 kg			25 ml	15.—	
1585	**Benzyl-*iso*-propyl ketone** for synthesis (ORG) $C_{11}H_{14}O$ MW 162.23 1 l = 0.96 kg			25 ml	17.	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1524	**2-Benzylpyridine** for synthesis (ORG) $C_{12}H_{11}N$ MW 169.23 1 l = 1.05 kg		25 ml	7.50	
1525	**4-Benzylpyridine** for synthesis (ORG) $C_{12}H_{11}N$ MW 169.23 1 l = 1.06 kg		50 ml	9.50	
2255	*S*-**Benzyl**-*iso*-**thiuronium chloride** for synthesis (ORG) $C_8H_{11}ClN_2S$ MW 202.71	1.5	100 g	7.50	
1816	**Benzyltrimethylammonium hydroxide solution** about 40% in methanol for synthesis (LAB) 1 l = 0.93 kg		100 ml	13.50	
1911	*O*-**Benzyl**-L-**tyrosine** for synthesis (LAB) $C_{16}H_{17}NO_3$ MW 271.32	5	1 g 5 g	8 29	
1823	**Beryllium nitrate** cryst. extra pure $Be(NO_3)_2 \cdot 4\,H_2O$ MW 205.08 TYPE ANALYSIS: Assay of $Be(NO_3)_2 \cdot 4\,H_2O$ 99 % Chloride (Cl) . . . . 0.002 % Sulfate (SO_4) . . . . 0.01 % Heavy metals (as Pb) 0.002 % Iron (Fe) . . . . . 0.001 % Manganese (Mn) . . 0.001 % Aluminium (Al) . . . 0.02 % Ammonium (NH_4) . . 0.05 % Arsenic (As) . . . . 0.0004% Substances not precipitated by NH_3 (as sulfates) 0.3 %	1.1	100 g 1 kg	13.50 108.—	
1825	**Beryllium oxide** anhydrous extra pure BeO MW 25.01 TYPE ANALYSIS: Assay of BeO . . . . 98 % Substances soluble in water . . . . . 0.5 % Chloride (Cl) . . . . 0.02 % Fluoride (F) . . . . . 0.8 % Total nitrogen (N) . . 0.02 % Heavy metals (as Pb) 0.02 % Iron (Fe) . . . . . 0.005 % Manganese (Mn) . . . 0.005 % Aluminium (Al) . . . 0.05 % Substances not precipitated by hydrogen sulfide (as sulfates) . . . . 0.3 % Arsenic (As) . . . . . 0.0005% Loss on residue (1000°C) . . . . . 1 %	4	25 g 100 g	11.50 39.—	
1828	**Beryllium sulfate** extra pure $BeSO_4 \cdot 4\,H_2O$ MW 177.14 TYPE ANALYSIS: Assay of $BeSO_4 \cdot 4\,H_2O$. 99 % Chloride (Cl) . . . . 0.002 % Total nitrogen (N) . . 0.005 % Heavy metals (as Pb) 0.002 % Iron (Fe) . . . . . 0.001 % Manganese (Mn) . . . 0.001 % Aluminium (Al) . . . 0.05 % Arsenic (As) . . . . 0.0004% Substances not precipitated by NH_3 (as sulfates) 0.3 %	1.1	100 g 1 kg	11.— 87.—	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1827	**Betaine** (monohydrate) cryst. pure $C_5H_{11}NO_2 \cdot H_2O$ MW 135.16 TYPE ANALYSIS: Assay (perchloric acid titration; on dried substance) . . . . 99 % Chloride (Cl) . . . . 0.005 % Sulfate (SO_4) . . . . 0.01 % Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.0005% Sulfated ash . . . . 0.1 % Water (acc. to Karl Fischer) . . . 10–15 %	1.7	P	1 kg	39.—	
1829	**Betaine** anhydrous pure $C_5H_{11}NO_2$ MW 117.15 TYPE ANALYSIS: Assay (perchloric acid titration; on dried substance) . . . . 99 % Chloride (Cl) . . . . 0.005 % Sulfate (SO_4) . . . . 0.01 % Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.0005% Sulfated ash . . . . . 0.1 % Water (acc. to Karl Fischer) . . . 0.5 %	2	P	1 kg	49.50	
	Betaine-choline bitartrate see Betaine-choline hydrogen tartrate					
1826	**Betaine-choline hydrogen tartrate** $C_5H_{11}NO_2 \cdot C_9H_{19}NO_7$ MW 370.40	1.8	P	1 kg	28.50	
1991	**Betaine dihydrogen citrate** pure $C_{11}H_{19}NO_9$ MW 309.28 TYPE ANALYSIS: Assay (perchloric acid titration; on dried substance) . . . 99% Melting-range about 145–147° C Chloride (Cl) . . . 0.003 % Sulfate (SO_4) . . . 0.01 % Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.0005% Sulfated ash . . . . . 0.1 % Water (acc. to Karl Fischer) . . . . 0.5 %	1.9	P	1 kg	35.25	
1848	**Betaine hydrochloride** BPC 1949 $C_5H_{12}ClNO_2$ MW 153.61 TYPE ANALYSIS: Assay (perchloric acid titration; on dried substance) . . . 99% Melting-range . . . 237–243° C Sulfate (SO_4) . . . 0.002 % Heavy metals (as Pb) 0.001 % Arsenic (As) . . . . 0.0002% Sulfated ash . . . . 0.1 % Water (acc. to Karl Fischer) . . . . 0.5 %	1.6	P P	1 kg 5 kg 50 kg	15.25 63.—	 price on application

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Bicine see *N,N*-Bis(2-hydroxyethyl)-glycine				
4054	**Bile salt mixture** for bacteriology	3	100 g 500 g	30.— 130.—	
1837	**Bilirubin** GR $C_{33}H_{36}N_4O_6$ MW 584.68	3	0.25 g 1 g	57.50 200.—	
1840	**Bilirubin** for biochemistry (LAB) TYPE ANALYSIS: UVabsorption ($E^{1\%}_{1cm}$; λ = 450 mμ, chloroform) . . . . 1.03 · 10³ Loss on drying (105°C) . . . . . 0.1% Sulfated ash 0.2%	2.5	0.05 g 0.25 g 1 g	5. 12.50 40.—	
1643	D(+)**Biotin** (vitamin H) for biochemistry (LAB) $C_{10}H_{16}N_2O_3S$ MW 244.31 TYPE ANALYSIS: Assay . . . . . 99% Melting-range (with decomposition) . 227–231° C pH of 0.01% solution 4.0–4.5 Specific rotation ($[\alpha]_D^{20°}$; c = 1 in 0.1 N NaOH) +90° to +92°	4	0.1 g	9.50	
500030	D(+)**Biotin** (vitamin H) $C_{10}H_{16}N_2O_3S$ MW 244.31 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	4	1 g 5 g 10 g 25 g	prices on application	
501406	D(+)**Biotin** dry concentrate 1% feed grade 1 g = 10 mg D(+)Biotin		1 g 5 g 10 g 25 g	prices on application	
3090	**Biphenyl** for synthesis (ORG) $C_{12}H_{10}$ MW 154.21	1.5	1 kg	7.50	
1683	**4-Biphenylcarboxylic acid** for synthesis (ORG) $C_{13}H_{10}O_2$ MW 198.22	1.5	100 g	21.—	
2256	**2,2′-Biphenyldicarboxylic acid** for synthesis (ORG) $C_{14}H_{10}O_4$ MW 242.23	1.5	50 g	17.50	
1959	**4-Biphenylol** for synthesis (ORG) $C_{12}H_{10}O$ MW 170.21		1 kg	15.—	
	2-(Biphenyl)-2-propanol see 2-(4-Biphenylyl)-2-propanol				

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1965	**2-(4-Biphenylyl)-2-propanol** for synthesis (LAB) $C_{15}H_{16}O$ MW 212.29			5 g	10.—	
2962	**Biphenylsodium** in ethylene glycol dimethyl ether GR $C_{12}H_{10}Na$ MW 177.20 1 l = 0.90 kg			20 ml 5 x 20 ml	6.60 6.—	
3098	**2,2′-Bipyridine** (α,α′-dipyridyl GR [reagent for iron(II) and molybdenum] $C_{10}H_8N_2$ MW 156.19 CERTIFICATE OF GUARANTEE: Assay (perchloric acid titration) . . . min. 99.5% Melting-point . . 70–72° C Chloride (Cl) . . . max. 0.001% Sulfate (SO_4) . . . max. 0.005% Sulfated ash . . . max. 0.2 % Molar extinction of iron complex . . > 10 000	1.3		5 g 25 g	7.60 28.50	
2955	**2,2′-Biquinoline** (2,2′-diquinolyl) GR $C_{18}H_{12}N_2$ MW 256.31 CERTIFICATE OF GUARANTEE: Assay (perchloric acid titration) . . min. 99% Substances insoluble in *iso*-amyl alcohol passes test Melting-point . . . 193–195° C Sulfated ash . . . . max. 0.05% Molar extinction of copper complex . > 6300	2		1 g 5 g 25 g	11.— 44.75 210.—	

3,3-Bis(4-acetoxyphenyl)-1-acetyloxindole
see Triacetyldiphenolisatin

3,3-Bis(4-acetoxyphenyl)-oxindole
see Diacetyldiphenolisatin

Bis(acetylacetonato) cadmium(II)
see Cadmium(II) acetylacetonate

Bis(acetylacetonato) cobalt(II)
see Cobalt(II) acetylacetonate

Bis(acetylacetonato) copper(II)
see Copper(II) acetylacetonate

Bis(acetylacetonato) manganese(II)
see Manganese(II) acetylacetonate

Bis(acetylacetonato) molybdenum(IV) oxide
see Molybdenyl acetylacetonate

Bis(acetylacetonato) nickel(II)
see Nickel(II) acetylacetonate

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
		Bis(acetylacetonato) palladium(II) see Palladium(II) acetylacetonate					
		Bis(acetylacetonato) titanium(IV) oxide see Titanyl acetylacetonate					
		Bis(acetylacetonato) vanadium(IV) oxide see Vanadium(IV) oxide acetylacetonate					
		Bis(acetylacetonato) zinc(II) see Zinc(II) acetylacetonate					
1579	•I•	**1,3-Bis(aminomethyl)-benzene** for synthesis (ORG) $C_8H_{12}N_2$ MW 136.20 1 l = 1.03 kg			50 ml	15.—	
		N,N-Bis(3-aminopropyl-methylamine see 4-Aza-4-methylheptamethylenediamine					
1970		**1,4-Bis(3-aminopropyl)-piperazine** for synthesis (ORG) $C_{10}H_{24}N_4$ MW 200.33	2		100 g	10.50	
		1,2-Bis(4-biphenylyl)-ethylene see 4,4'-Diphenylstilbene					
		2,7-Bis[bis(carboxymethyl)-aminomethyl)]-fluorescein see Calcein					
1666		**4,4‴-Bis(2-butyloctyloxy)-*p*-quaterphenyl** scintillation grade $C_{48}H_{66}O_2$ MW 675.06	3	P	5 g 25 g	10.50 47.25	
		3-Bis(carboxymethyl)-aminomethyl-1,2-dihydroxy-anthraquinone see Alizarin-3-methylamine-*N,N*-diacetic acid					
		Bis(3-bromo-5-chloro-2-hydroxyphenyl)-methane see Bromochlorophene					
1678	•I•	**Bis(2-chloroethyl) ether** (2,2'-dichlorodiethyl ether) for synthesis (LAB) $C_4H_8Cl_2O$ MW 143.01 1 l = 1.22 kg			1 l	13.—	
8674	•I•	**1,4-Bis(chloromethyl)-benzene** for synthesis (ORG) $C_8H_8Cl_2$ MW 175.06	2		100 g	23.—	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Biscyclohexanone oxalyldihydrazone see Oxalic acid bis(cyclohexylidenehydrazide)					
	Bis(diethylthiocarbamoyl) disulfide see Tetraethylthiuram disulfide					
8125	**4,4′Bis(dimethylamino)-benzophenone** for synthesis (ORG) $C_{17}H_{20}N_2O$ MW 268.36	2	P	100 g	8.-	
8227	**4,4′-Bis(dimethylamino)-diphenylmethane** for synthesis (ORG) $C_{17}H_{22}N_2$ MW 254.38	2		250 g	13.75	
	3,7-Bis(dimethylamino)-phenazathionium chloride see Methylene blue					
	3,6-Bis(dimethylamino)-xanthylium chloride see Pyronin® G					
1453	**Bis(2-ethylhexyl) adipate** for synthesis (ORG) $C_{22}H_{42}O_4$ MW 370.58	1 l = 0.90 kg		1 l 2½ l	8.50 18.50	
1558	**Bis(2-ethylhexyl)-amine** for synthesis (ORG) $C_{16}H_{35}N$ MW 241.52	1 l= 0.81 kg		1 l	17.50	
1317	**Bis(2-ethylhexyl) azelate** for synthesis (ORG) $C_{25}H_{48}O_4$ MW 412.66	1 l = 0.92 kg		500 ml	9.-	
	Bis(2-ethylhexyl) *trans*-butenedioate see Bis(2-ethylhexyl) fumarate					
267	**Bis(2-ethylhexyl) fumarate** for synthesis (ORG) $C_{20}H_{36}O_4$ MW 340.51	1 l = 0.94 kg		1 l	10.50	
	Bis(2-ethylhexyl) hexanedioate see Bis(2-ethylhexyl) adipate					
	Bis(2-ethylhexyl) nonanedioate see Bis(2-ethylhexyl) azelate					

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
9672		**Bis(2-ethylhexyl) sebacate** for gas chromatography $C_{26}H_{50}O_4$ MW 426.69 1 l = 0.91 kg			100 ml	21.—	
		Bis(2-ethylhexyl) sodium sulfosuccinate see Dioctyl sodium sulfosuccinate					
9653	•I•	**Bis(heptafluorobutyric) anhydride** for synthesis (LAB) $C_8F_{14}O_3$ MW 410.06 1 l = 1.67 kg			10 ml	49.50	
1910		*N,N*-**Bis(2-hydroxyethyl)-glycine** (bicine) for biochemistry (LAB) $C_6H_{13}NO_4$ MW 163.17			100 g	13.75	
1971		**1,4-Bis(2-hydroxyethyl)-piperazine** for synthesis (ORG) $C_8H_{18}N_2O_2$ MW 174.24			100 g	6.80	
1610		**1,4-Bis(hydroxymethyl)-cyclohexane** for synthesis (ORG) $C_8H_{16}O_2$ MW 144.22	1.5		100 g	6.80	
		3,3-Bis-(hydroxymethyl)-heptane see 2-Ethyl-2-butyl-1,3-propanediol					
		2,2-Bis(hydroxymethyl)-1,3-propanediol see Pentaerythritol					
		1,2-Bis(2-hydroxyphenylimino)-ethane see Glyoxal bis(2-hydroxyanil)					
		2,2-Bis(4-hydroxyphenyl)-propane see Diphenylolpropane					
3258		**Bis(4-hydroxyphenyl) sulfone** for synthesis (ORG) $C_{12}H_{10}O_4S$ MW 250.28	2		250 g	7.50	
		Bis-(2-hydroxypropyl)-amine see Di-*iso*-propanolamine					
		N,N-Bis(2-hydroxypropyl)-aminoethanol see *N,N*-Bis(2-hydroxypropyl)-ethanolamine					

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
3504	*N,N*-**Bis(2-hydroxypropyl)-ethanolamine** for synthesis (ORG) $C_8H_{19}NO_3$ MW 177.25 1 l = 1.05 kg		P	100 ml	23.25	
1972	**1,4-Bis(2-hydroxypropyl)-piperazine** for synthesis (ORG) $C_{10}H_{22}N_2O_2$ MW 202.30	2		100 g	6.80	
	Bismarck brown see Vesuvine					
	Bis(2-methylpropionic)anhydride see *iso*-Butyric anhydride					
1850	**Bismuth** free from arsenic extra pure Bi AW 208.98	0.3	P	100 g 250 g 1 kg 5 kg	12.25 28.50 95.— 450.—	
	Bismuth aluminium hydroxide carbonate see Aluminium bismuth hydroxide carbonate					
	Bismuth ammonium citrate see Ammonium bismuth citrate					
1854	**Bismuth(III) carbonate basic** extra pure DAB 6, BPC 1968, Cod Franç 1965, Ph Internat I, USP XVII	2.8	P	100 g 250 g 500 g 1 kg 5 kg	10.— 24.— 42.— 83.— 394.—	
				25 kg 4 x 25 kg	prices on application	
1857	**Bismuth(III) citrate** USP VIII $C_6H_5BiO_7$ MW 398.08 TYPE ANALYSIS: Assay of Bi_2O_3 . . . 56–58% Chloride (Cl) . . . . 0.01 % Sulfate (SO_4) . . . . 0.005 % Nitrate (NO_3) . . . . 0.05 % Silver (Ag) . . . . . 0.001 % Lead (Pb) . . . . . 0.005 % Copper (Cu) . . . . . 0.001 % Alkaline and alkaline earth metals (as sulfates) . . . . 1 % Arsenic (As) 0.0002%	1.9		1 kg	72.—	
1870	**Bismuth(III) gallate basic** DAB 7, BPC 1968, NF XI, Ph Ned VI	2.3	P	100 g 250 g 500 g 1 kg 5 kg	8.— 17.50 31.— 60.— 281.—	
				25 kg 4 x 25 kg	prices on application	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1871	**Bismuth(III) glycoloylarsanilate** USP XVI $C_8H_9AsBiNO_6$ MW 499.07	0.9	1 kg 25 kg	90.— price on application	
1873	**Bismuth(III) glycoloylarsanilate** coarse powder $C_8H_9AsBiNO_6$ MW 499.07		1 kg 25 kg	90.— price on application	
1863	**Bismuth(III) hydroxide** $Bi(OH)_3$ MW 260.06	1.2	100 g 1 kg 5 kg	12.— 95.— 450.—	
1860	**Bismuth(III) nitrate** cryst. DAB 6, Cod Franç 1949 $Bi(NO_3)_3 \cdot 5\,H_2O$ MW 485.07	0.6	100 g 250 g 1 kg 5 kg	6.50 14.25 48.— 219.—	
1878	**Bismuth(III) nitrate basic** GR CERTIFICATE OF GUARANTEE: Assay of Bi . . . min. 71.0% Chloride (Cl) . . max. 0.005 % Sulfate (SO_4) . . max. 0.05 % Silver (Ag) . . . max. 0.001 % Lead (Pb) . . . . max. 0.005 % Copper (Cu) . . max. 0.002 % Iron (Fe) . . . . max. 0.002 % Zinc (Zn) . . . . max. 0.001 % Ammonium (NH_4) max. 0.003 % Substances not precipitated by H_2S . . . . max. 0.5 % Arsenic (As) . . max. 0.0005% Calcium (Ca) . . max. 0.005 %	2	25 g 100 g 500 g	5.25 15.25 62.50	
1875	**Bismuth(III) nitrate basic** very light, extra pure DAB 7, BPC 1963, JP VI, NF XIII	2.7	100 g 250 g 500 g 1 kg 5 kg 25 kg 4 x 25 kg	9.50 21.— 37.50 73.— 344.— prices on application	
1862	**Bismuth(III) oxide** Bi_2O_3 MW 465.96	0.5	100 g 250 g 1 kg 5 kg 20 kg	12.— 27.50 95.— 450.— price on application	
1861	**Bismuth(III) oxide chloride** Erg B 6 BiOCl MW 260.43	1.4	100 g 250 g 1 kg 5 kg	11.75 26.— 90.— 419.—	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1866	**Bismuth(III) oxide iodide gallate** DAB 6 $C_7H_6BiIO_6$ MW 522.01	1.2		100 g 250 g 1 kg 5 kg	9.75 21.25 72.— 337.50	
2393	**Bismuth quinine iodide**	1.8	P	100 g	23.—	
1880	**Bismuth(III) salicylate** about 40% Bi_2O_3 extra pure	4	P	1 kg 5 kg	50.— 237.50	
				25 kg 4 x 25 kg	prices on application	
1881	**Bismuth(III) salicylate basic** 64% Bi_2O_3 extra pure, DAB 7, BP 1953, Ph Internat II, Ph Ned VI, USP XVI	5	P	100 g 250 g 1 kg 5 kg	9.50 20.— 68.— 322.50	
				25 kg 4 x 25 kg	prices on application	
	Bismuth subcarbonate see Bismuth(III) carbonate basic					
	Bismuth subchloride see Bismuth(III) oxide chloride					
	Bismuth subgallate see Bismuth(III) gallate basic					
	Bismuth subnitrate see Bismuth(III) nitrate basic					
	Bismuth subsalicylate see Bismuth(III) salicylate basic					
5418	**Bismuth-sulfite agar** acc. to Wilson-Blair for microbiology (47 g for 1litre of culture medium)	1.7		47 g 500 g 10 x 500 g	5.25 35.— 33.—	
1884	**Bismuth(III) tribromophenate** DAB 6	3.1	P	100 g 250 g	9.75 21.25	
				1 kg 5 kg	72.50 344.—	
	Bismuth 3,4,5-trihydroxybenzoate basic see Bismuth(III) gallate basic					
3106	**Bismuthiol I dipotassium salt** (2,5-dimercapto-1,3,4-thiadiazole dipotassium salt) GR (reagent for bismuth, copper and lead) $C_2K_2N_2S_3$ MW 226.43	1.75	P	10 g	6.30	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1671	**Bis(2-nitrophenyl) disulfide** for synthesis (LAB) $C_{12}H_8N_2O_4S_2$ MW 308.34	2		25 g	10.50	
2150	**Bis(4-nitrophenyl)-phosphate** for biochemistry (LAB) $C_{12}H_9N_2O_8P$ MW 340.19 Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	2.0		5 g	13.–	
	Bis(2,4-pentanedionato) cadmium(II) see Cadmium(II) acetylacetonate					
	Bis(2,4-pentanedionato) cobalt(II) see Cobalt(II) acetylacetonate					
	Bis(2,4-pentanedionato) copper(II) see Copper(II) acetylacetonate					
	Bis(2,4-pentanedionato) manganese(II) see Manganese(II) acetylacetonate					
	Bis(2,4-pentanedionato) molybdenum(VI) oxide see Molybdenyl acetylacetonate					
	Bis(2,4-pentanedionato) nickel(II) see Nickel(II) acetylacetonate					
	Bis(2,4-pentanedionato) palladium(II) see Palladium(II) acetylacetonate					
	Bis(2,4-pentanedionato) vanadium(IV) oxide see Vanadium(IV) oxide acetylacetonate					
	Bis(2,4-pentanedionato) zinc(II) see Zinc(II) acetylacetonate					
	1,4-Bis(5-phenyl-2-oxazolyl)-benzene see 2,2′-*p*-Phenylene-bis(5-phenyloxazole)					
1960	**Bis(tributyltin) oxide** for synthesis (LAB) $C_{24}H_{54}OSn_2$ MW 596.08 1 l = 1.17 kg			100 ml	15.–	
8261	**Bis(trifluoroacetic) anhydride** for synthesis (LAB) $C_4F_6O_3$ MW 210.03 1 l = 1.52 kg TYPE ANALYSIS: Assay . . . . . 99 % Chloride (Cl) . . . . . 0.035% Sulfate (SO_4) . . . . . 0.01 % Phosphate (PO_4) . . . . 0.001% Heavy metals (as Pb) . 0.002% Iron (Fe) . . . . . 0.001% Sulfated ash . . . . . 0.01 %			10 ml 100 ml	7.50 50	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Bis(trimethylacetic) anhydride see Pivalic anhydride				
9612	**Bis(3,3,5-trimethylcyclohexyl) phthalate** for gas chromatography $C_{26}H_{38}O_4$ MW 414.59	1.9	100 g	49.50	
9649	**Bis(trimethylsilyl)-acetamide** for synthesis (LAB) $C_8H_{21}NOSi_2$ MW 203.43 1 l = 0.84 kg		10 ml	13.25	
4174	**Bis(triphenylphosphine)-palladium(II) chloride** for synthesis (ORG) $C_{36}H_{30}Cl_2P_2Pd$ MW 701.89	3	1 g	15.—	
	Blacher's solution see Potassium palmitate solution				
	Black acid 1 see Amido black 10 B				
9191	**Black lake Licristal®** 1 l = 1.00 kg		100 ml	4.—	
1901	**Bleaching earth** TYPE ANALYSIS: Heavy metals (as Pb) 0.005 % Arsenic (As) . . . . 0.0005% Bleaching power passes test Residue on screening (mesh size 0.15 mm) . < 5%	2.5	2½ kg 5 kg 9026/25 kg	9.— 15.25	2.40
1526	**Blue A** tablets **Patinal®** one tablet about 0.5 g		100 g 1 kg	95.— price on application	
	Blue acid 22 see Aniline blue				
	Blue acid 74 see Indigo carmine				

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1902	**Blue BZL** (oracet blue B, C. I. solvent blue 19) indicator	1.3		5 g	4.75	
	Blue gel see Silica gel					
	BOC amino acids see *N*(*tert*-Butoxycarbonyl)					
1903	**Boldine** cryst. pure $C_{19}H_{21}NO_4$ MW 327.38	1.6		1 g	4.50	
1904	**Boldinium chloride** cryst. $C_{19}H_{22}ClNO_4$ MW 363.84	3.2		1 g	4.50	
	Boldoglucin see Boldine					
1906	**Bole** white fine powder DAB 7	2.8	P	1 kg 5 kg	3.75 11.50	
				50 kg		1.55
1645	**Borate buffer solution** pH 9.22 (0.01 M) 1 l = 1.00 kg			500 ml 1 l	6.30 10.—	
	Borax see *di*-Sodium tetraborate					
765	**Boric acid Suprapur**® H_3BO_3 MW 61.83	2	P*	50 g 500 g	15.— 105.—	
165	**Boric acid** cryst. GR H_3BO_3 MW 61.83	1.2	P	500 g 1 kg 2½ kg	5.— 8.25 19.—	

CERTIFICATE OF GUARANTEE:

Assay of H_3BO_3	min. 99.8%	Heavy metals (as Pb)	max. 0.0005 %
Substances not made volatile by methanolic hydrochloric acid	max. 0.05 %	Iron (Fe)	max. 0.0001 %
Chloride (Cl)	max. 0.0003 %	Calcium (Ca)	max. 0.002 %
Sulfate (SO_4)	max. 0.0005 %	Magnesium (Mg)	max. 0.0005 %
Phosphate (PO_4)	max. 0.0005 %	Arsenic (As)	max. 0.00005%

Boric acid buffer substance see Boric acid GR

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
167	**Boric acid Selectipur®** H_3BO_3 MW 61.83	1.2	50 kg	price on application	
160	**Boric acid** cryst. extra pure DAB 7, BP 1968, Ph Ned VI, USP XVII H_3BO_3 MW 61.83 TYPE ANALYSIS: Assay of H_3BO_3 (acidimetric) . . . . 99.5 % Substances insoluble in water, calcium, magnesium and substances precipitated by ammonia solution . 0.05 % Chloride (Cl) . . . . . 0.004% Sulfate (SO_4) . . . . . 0.01 % Heavy metals (as Pb) . 0.001% Iron (Fe) 0.001%	1.2	1 kg 5 kg 9051/50 kg	4.75 16.75	2.60
162	**Boric acid** fine powder extra pure DAB 7, BP 1968, Ph Ned VI, USP XVII H_3BO_3 MW 61.83 TYPE ANALYSIS: Assay of H_3BO_3 (acidimetric) . . . . 99.5 % Substances insoluble in water, calcium, magnesium and substances precipitated by ammonia solution . 0.05 % Chloride (Cl) . . . . . 0.004% Sulfate (SO_4) . . . . . 0.01 % Heavy metals (as Pb) . 0.001% Iron (Fe) 0.001%	2.1	1 kg 5 kg 50 kg	5.25 18.50	2.95
	Boric anhydride see *di*-Boron trioxide				
	Borofluoric acid see Hydrofluoroboric acid				
1630	**Boron tribromide** for synthesis (LAB) BBr_3 MW 250.54 1 l = 2.65 kg		25 ml 100 ml	17.50 60.—	
1647	**Boron trifluoride-ethyl ether complex** for synthesis (LAB) $C_4H_{10}BF_3O$ MW 141.93 1 l = 1.12 kg TYPE ANALYSIS: Assay of BF_3 . about 45% Chloride (Cl) . . . . 0.001 % Sulfur compounds (as SO_4) . . . . . 0.005 % Silicate (SiO_2) . . . 0.002 % Nitrogen compounds (as N) 0.0005%		100 ml	9.—	
1662	**Boron trifluoride-methanol complex** for synthesis (LAB) about 14% BF_3 1 l = 0.89 kg		500 ml 1 l	9.50 17.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
169	***di*-Boron trioxide Suprapur®** B_2O_3 MW 69.62 CERTIFICATE OF GUARANTEE: Lead (Pb) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Copper (Cu) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Zinc (Zn) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Iron (Fe) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Silicate (SiO_2) . . . . . max. $1 \cdot 10^{-4}$ % (9 ppm)			21.— 147.—	
163	***di*-Boron trioxide** anhydrous fine-granular for analysis of silicates B_2O_3 MW 69.62 CERTIFICATE OF GUARANTEE: Substances not made volatile by methanolic hydrochloric acid . . . . . max. 0.05 % Chloride (Cl) . . max. 0.002 % Heavy metals (as Pb) . . . . max. 0.002 % Iron (Fe) . . . . max. 0.0005% Magnesium (Mg) max. 0.0005% Calcium (Ca) . max. 0.002 % Sodium (Na) . . max. 0.003 % Potassium (K) . max. 0.003 %			3.— 23.75	
168	***di*-Boron trioxide Selectipur®** B_2O_3 MW 69.62		P 1 kg 5 kg	prices on application	
	Boutron-Boudet's soap solution see Soap solution acc. to Boutron-Boudet				
	pH-Box see page 668				
	Brewer anaerobic agar see Anaerobe agar acc. to Brewer				
1962	**Brij® 35** (Polyoxyethylene dodecyl ether, detergent) (LAB) (®registered trade-mark of Atlas Powder)		250 g	6.30 18.30	
1921	**Brilliant black** (C. I. No. 28 440) for microscopy				
1280	**Brilliant cresyl blue** for microscopy				
1310	**Brilliant green** (C. I. No. 42 040, S. No. 760) for bacteriology				
5454	**Brilliant-green bile lactose broth** for microbiology (40 g for 1 litre of culture medium)		500 g 10 x 500 g		

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7236		**Brilliant-green phenol-red lactose agar** acc. to Kauffmann for microbiology (40 g for 1 litre of culture medium)	1.7		40 g 500 g 10 x 500 g	4.75 36.— 34.—	
7237		**Brilliant-green phenol-red lactose sucrose agar** for microbiology (52 g for 1 litre of culture medium)	1.7		52 g 500 g 10 x 500 g	5.75 37.50 35.50	
1653	○	**Bromelin** bound to CM-cellulose 0.2–0.3 U/mg for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.			0.25 g 1 g	50. 180.—	
1651	○	**Bromelin** 2mAnson units/mg for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	1.4		25 g	14.—	
1652	○	**Bromelin** water-soluble 2mAnson units/mg for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	2.5		5 g 25 g	18.— 82.—	
1655		**Bromelin** water-soluble 20 000 units/g (hemoglobin) 45 000 units/g (casein)	3.5		100 g	230.—	
9905/0001		**0,1 N Bromide bromate solution Titrisol®** (DBP No. 971 376) concentrated solution for preparation of 1 litre of 0.1 N solution			ampoule	3.50	
1947	•|•	**Bromine Suprapur®** Br_2 MW 159.82 1 l = 3.11 kg CERTIFICATE OF GUARANTEE: Non-volatile substances . . . . . max. $1 \cdot 10^{-3}$ % (10 ppm) Sulfate (SO_4) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Lead (Pb) . . . . . max. $2 \cdot 10^{-6}$ % (0.02 ppm) Copper (Cu) . . . . . max. $2 \cdot 10^{-6}$ % (0.02 ppm) Nickel (Ni) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Cobalt (Co) . . . . . max. $5 \cdot 10^{-7}$ % (0.005 ppm) Iron (Fe) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Cadmium (Cd) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Zinc (Zn) . . . . . max. $2 \cdot 10^{-6}$ % (0.02 ppm) Calcium (Ca) . . . . . max. $2 \cdot 10^{-6}$ % (0.02 ppm)			25 ml 250 ml	13.25 88.—	
1948	•|•	**Bromine** GR Br_2 MW 159.82 1 l = 3.11 kg CERTIFICATE OF GUARANTEE: Assay of Br . . min. 99.5 % Non-volatile substances . . max. 0.005 % Chlorine (Cl) . . max. 0.05 % Iodine (I) . . . max. 0.001 % Lead (Pb) . . . max. 0.00005% Sulfate (SO_4) . max. 0.001 % Copper (Cu) . . max. 0.00005% Nickel (Ni) . . . max. 0.00005% Iron (Fe) . . . max. 0.0001 % Zinc (Zn) . . . max. 0.00005% Cadmium (Cd) . max. 0.00005% Organic bromine compounds . passes test			50 ml 100 ml 500 ml	5.— 7.50 25.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1946	**Bromine Selectipur®** Br_2 MW 159.82 1 l = 3.11 kg		250 ml	price on application	
1945	**Bromine** DAB 6 Br_2 MW 159.82 1 l = 3.11 kg TYPE ANALYSIS: Assay (iodometric) . . 99 % Iodine . . . . . 0.002% Non-volatile substances 0.02 %		50 ml 250 ml 1 l	4.50 10.— 30.—	
1657	**Bromoacetaldehyde diethyl acetal** for synthesis (ORG) $C_6H_{13}BrO_2$ MW 197.08 1 l = 1.28 kg		100 ml	30.—	
2260	**Bromoacetic acid** for synthesis (ORG) $C_2H_3BrO_2$ MW 138.95	0.7	250 g	18.—	
1658	**2-Bromoacetophenone** for synthesis (LAB) C_8H_7BrO MW 199.05	0.75	100 g	36.75	
1628	**1-Bromoadamantane** for synthesis (ORG) $C_{10}H_{15}Br$ MW 215.14		10 g	6.—	
1599	**4-Bromoaniline** GR C_6H_6BrN MW 172.03	1.5	25 g 100 g	14.75 55.—	
1600	**4-Bromoaniline** for synthesis (ORG) C_6H_6BrN MW 172.03		100 g	19.—	
1601	**4-Bromoanisole** for synthesis (ORG) C_7H_7BrO MW 187.04 1 l = 1.50 kg		100 ml	24.—	
4146	**4-Bromobenzaldehyde** for synthesis (ORG) C_7H_5BrO MW 185.02	1.5	10 g	21.—	
1786	**Bromobenzene** C_6H_5Br MW 157.02 1 l = 1.49 kg TYPE ANALYSIS: Assay (gas chromatographic) . . . . 98% d 20°/4° . . . . . 1.494–1.497 Refractive index ($n_D^{20°}$) . . . . . 1.559–1.561 Boiling-range (95%) 153–156° C Water (acc. to Karl Fischer) . . 0.1%		250 ml 1 l 50 kg	10.— 34.75	15.25

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
		Bromobenzene-d_5 see Bromopentadeuterobenzene					
1602		**1-Bromobutane** for synthesis (ORG) C_4H_9Br MW 137.03 1 l = 1.27 kg			500 ml	12.—	
1548		**2-Bromobutane** for synthesis (ORG) C_4H_9Br MW 137.03 1 l = 1.25 kg			250 ml	10.50	
469		**2-Bromobutyric acid** for synthesis (ORG) $C_4H_7BrO_2$ MW 167.01 1 l = 1.57 kg			250 ml	21.50	
2171		**Bromocamphor** Erg B 6, Cod Franç 1949, NF X $C_{10}H_{15}BrO$ MW 231.14	1.3	P	100 g 1 kg 5 kg	8.25 61.— 275.—	
		α-Bromo-(+)-camphor-π-sulfonic acid see 3-Bromocamphor-8-sulfonic acid					
		α-Bromo-(+)-camphor-β-sulfonic acid see 3-Bromocamphor-10-sulfonic acid					
1635		**3-Bromocamphor-8-sulfonic acid** [α-bromo-(+)-camphor-π-sulfonic acid] (monohydrate) for racemate resolution (LAB) $C_{10}H_{15}BrO_4S \cdot H_2O$ MW 329.22	1		1 g	6.60	
1634		**3-Bromocamphor-10-sulfonic acid** [α-bromo-(+)-camphor-β-sulfonic acid] (monohydrate) for racemate resolution (LAB) $C_{10}H_{15}BrO_4S \cdot H_2O$ MW 329.22	1		1 g	5.25	
		2-Bromocaproic acid see 2-Bromohexanoic acid					
1674		**1-Bromo-3-chlorobenzene** for synthesis (ORG) C_6H_4BrCl MW 191.46 1 l = 1.62 kg			25 ml	15.75	
		m-Bromochlorobenzene see 1-Bromo-3-chlorobenzene					
4154		**1-Bromo-2-chloroethane** for synthesis (ORG) C_2H_4BrCl MW 143.41 1 l = 1.72 kg			250 ml	16.—	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2622	•|•	**1-Bromo-3-chloro-2-methylpropane** for synthesis (ORG) C_4H_8BrCl MW 171.47 1 l = 1.48 kg		100 ml	17.50	
1612		**2-Bromo-5-chloro-1-nitrobenzene** for synthesis (ORG) $C_6H_3BrClNO_2$ MW 236.46	1.5	5 g	12.50	
3281		**Bromochlorophene** (3,3'-dibromo-5,5'-dichloro-2,2'-dihydroxydiphenylmethane) $C_{13}H_8Br_2Cl_2O_2$ MW 426.93	2	1 kg 5 kg 25 kg	63.— 300.—	 56.—
3022		**Bromochlorophenol blue** indicator $C_{19}H_{10}Br_2Cl_2O_5S$ MW 581.08 pH 3.0–4.6 yellow to purple	1.5	1 g 5 g	5.25 18.—	
1627	•|•	**1-Bromo-3-chloropropane** for synthesis (ORG) C_3H_6BrCl MW 157.44 1 l = 1.60 kg		250 ml 1 l	11.25 36.75	
8121		**Bromocresol green** indicator $C_{21}H_{14}Br_4O_5S$ MW 698.04 pH 3.6–5.4 yellow to blue	1.8	1 g 5 g 25 g	5.25 17.50 81.—	
998/0001	•|•	**Bromocresol green** spray reagent 0.05% for chromatography		spray-can (cont. about 260 ml)	6.30	
3025		**Bromocresol purple** indicator $C_{21}H_{16}Br_2O_5S$ MW 540.24 pH 5.2–6.8 yellow to purple	2	5 g 25 g	4.50 15.50	
3032		**Bromocresol-purple azide broth** for microbiology (36 g for 1 litre culture medium)	1.7	36 g 500 g 10x500 g	4.— 25.— 23.50	
5455		**Bromocresol-purple lactose agar** for microbiology (48 g for 1 litre of culture medium)	2	48 g 500 g 10 x 500 g	5.75 40.— 38.—	
		Bromocyclopentane see Cyclopentyl bromide				
1676		**1-Bromodecane** for synthesis (ORG) $C_{10}H_{21}Br$ MW 221.19 1 l = 1.06 kg		250 ml	11.50	
		2-Bromo-1,1-diethoxyethane see Bromoacetaldehyde diethyl acetal				

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	5-Bromo-2,3-dihydro-2,3-indoledione see 5-Bromoisatin				
1535	**Bromodiphenylmethane** for synthesis (ORG) $C_{13}H_{11}Br$ MW 247.14	1.5	100 g	22.—	
3268	**1-Bromododecane** for synthesis (ORG) $C_{12}H_{25}Br$ MW 249.24	1 l = 1.02 kg	250 ml	16.75	
	Bromoethane see Ethyl bromide				
1373	**1-Bromo-2-ethylbenzene** for synthesis (ORG) C_8H_9Br MW 185.07	1 l = 1.36 kg	10 ml	19.50	
1944	**Bromoform** n_D^{20} ° about 1.598 (d 20°/4° 2.88–2.89) for separation of minerals (LAB) $CHBr_3$ MW 252.75	1 l = 2.88 kg	50 ml 250 ml 1 l	6.80 26.75 93.—	
1940	**Bromoform** extra pure DAB 6 $CHBr_3$ MW 252.75 TYPE ANALYSIS: d 20°/4° . . . . . 2.814–2.818 Solidification-point . . + 5° C Boiling-range (90%) 148–150° C Non-volatiles substances 0.01 %	1 l = 2.82 kg	50 ml 250 ml 1 l 50 kg	4.25 15.— 55.— price on application	
1923	**Bromoform** for coal flotation $CHBr_3$ MW 252.75	1 l = 2.82 kg	250 ml 1 l 50 kg	13.75 48.25 price on application	
	Bromoform-d see Deuterobromoform				
	Bromoheptadecane see Heptadecyl bromide				

			Volume		Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
					DM	DM
4554	●|●	**1-Bromoheptane** for synthesis (ORG) $C_7H_{15}Br$ MW 179.10	1 l = 1.14 kg	100 ml	9.—	
4306		**1-Bromohexadecane** for synthesis (ORG) $C_{16}H_{33}Br$ MW 305.35	1 l = 0.99 kg	250 ml	[illegible]	
1603	●|●	**1-Bromohexane** for synthesis (ORG) $C_6H_{13}Br$ MW 165.08	1 l = 1.17 kg	250 ml	14.25	
2261		**2-Bromohexanoic acid** for synthesis (ORG) $C_6H_{11}BrO_2$ MW 195.06	1 l = 1.39 kg	100 ml	[illegible]	
1528		**5-Bromoisatin** for synthesis (ORG) $C_8H_4BrNO_2$ MW 226.04		100 g	12.75	
1675		**2-Bromomesitylene** for synthesis (ORG) $C_9H_{11}Br$ MW 199.10	1 l = 1.30 kg	100 ml	15.50	
427	●|●	**1-Bromo-3-methylbutane** for synthesis (ORG) $C_5H_{11}Br$ MW 151.05	1 l = 1.21 kg	250 ml	13.75	
		1-Bromo-2-methylpropane see *iso*-Butyl bromide				
		2-Bromo-2-methylpropane see *tert*-Butyl bromide				
6210		**1-Bromonaphthalene** $n_D^{20°}$ about 1.658 $C_{10}H_7Br$ MW 207.08	1 l = 1.48 kg	**100 ml** **500 ml** **2½ l**	9.— 34.75 163.—	
6211		**1-Bromonaphthalene solution** about 24% in paraffin (clearing oil) for electrophoresis	1 l = 0.97 kg	500 ml 1 l 2½ l	[illegible]	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1985	**1-Bromo-2-nitrobenzene** for synthesis (ORG) $C_6H_4BrNO_2$ MW 202.01	1	25 g	5.80	
	4-Bromo-3-nitrochlorobenzene see 2-Bromo-5-chloro-1-nitrobenzene				
1969	**1-Bromooctane** for synthesis (ORG) $C_8H_{17}Br$ MW 193.13 1 l = 1.11 kg		250 ml	11.50	
3418	**Bromopentadeuterobenzene** deuteration degree not less than 99% C_6BrD_5 MW 162.05 1 l = 1.55 kg		1 ml 10 ml 10 x 10 ml	9.— 70.— 60.—	
1604	**1-Bromopentane** for synthesis (ORG) $C_5H_{11}Br$ MW 151.05 1 l = 1.22 kg		100 ml	6.30	
428	**2-Bromopentane** for synthesis (ORG) $C_5H_{11}Br$ MW 151.05 1 l = 1.20 kg		100 ml	13.25	
4166	**2-Bromophenol** for synthesis (ORG) C_6H_5BrO MW 173.01 1 l = 1.63 kg		25 ml	27.—	
8122	**Bromophenol blue** indicator $C_{19}H_{10}Br_4O_5S$ MW 669.99 pH 3.0–4.6 yellow to purple	1.3	5 g 25 g	4.50 15.—	
3023	**Bromophenol red** indicator $C_{19}H_{12}Br_2O_5S$ MW 512.19 pH 5.2–6.8 orange-yellow to purple	2.5	1 g 5 g	7.50 25.75	
	4-Bromophenyl methyl ether see 4-Bromoanisole				

			Volume		Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
					DM	DM
1667		**1-Bromopropane** for synthesis (LAB) C_3H_7Br MW 123.00	1 l = 1.35 kg	250 ml	12.—	
1668		**2-Bromopropane** for synthesis (LAB) C_3H_7Br MW 123.00	1 l = 1.35 kg	250 ml	13.75	
		3-Bromo-1-propene see Allyl bromide				
2396		**2-Bromopropionic acid** for synthesis (ORG) $C_3H_5BrO_2$ MW 152.98	1 l = 1.70 kg	250 ml	16.—	
2397		**3-Bromopropionic acid** for synthesis (ORG) $C_3H_5BrO_2$ MW 152.98	0.8	250 g	20.—	
1669		**3-Bromopropyne** for synthesis (LAB) C_3H_3Br MW 118.97	1 l = 1.58 kg	100 ml	20.—	
1933		**2-Bromopyridine** for synthesis (LAB) C_5H_4BrN MW 158.00	1 l = 1.64 kg	25 ml 100 ml	10.50 33.75	
1934		**3-Bromopyridine** for synthesis (ORG) C_5H_4BrN MW 158.00	1 l = 1.65 kg	5 ml	10.—	
1927		**Bromopyrogallol red** GR $C_{19}H_{10}Br_2O_8S$ MW 558.17		1 g 5 g	5.25 17.50	
1975		**5-Bromosalicylic acid** for synthesis (ORG) $C_7H_5BrO_3$ MW 217.03	1.8	100 g	9.—	
1531		**ω-Bromostyrene** for synthesis (ORG) C_8H_7Br MW 183.05	1 l = 1.42 kg	100 ml	15.—	

		Volume		Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
				DM	DM
1949	***N*-Bromosuccinimide** for synthesis (LAB) $C_4H_4BrNO_2$ MW 177.99 TYPE ANALYSIS: Assay (iodometric) 98% Melting-point (decomposition) . 175–179° C Sulfated ash . . . 0.1%	1.6	250 g 1 kg 5 kg	10.50 32.50 145.—	
8223	**1-Bromotetradecane** for synthesis (ORG) $C_{14}H_{29}Br$ MW 277.30 1 l = 1.01 kg		100 ml	8.—	
1659	**2-Bromothiophene** for synthesis (ORG) C_4H_3BrS MW 163.04 1 l = 1.71 kg		10 ml	6.30	
3026	**Bromothymol blue** indicator $C_{27}H_{28}Br_2O_5S$ MW 624.40 pH 6.0–7.6 yellow to blue	1.5	5 g 25 g	5.80 21	
1639	**Bromothymol-blue lactose agar** for microbiology (41 g for 1 litre of culture medium)	1.7	41 g 500 g 10x500 g	4.75 36. 34.	
1638	**Bromothymol-blue lactose cystine agar** for microbiology (33.2 g for 1 litre of culture medium)	1.8	0033 33.2 g 500 g 10 x 500 g	5.— 42.50 40.—	
1637	**4-Bromotoluene** for synthesis (LAB) C_7H_7Br MW 171.04 TYPE ANALYSIS: Assay (gas chromatographic) . . . . 97% d 35°/35° . . . . . 1.393–1.396 Refractive index ($n_D^{30°}$) . . . . . 1.545–1.550 Melting-point . . . . 24–28° C Sulfated ash 0.1%	1	250 g 1 kg	18.— 64.	
1986	**Bromotrichloromethane** for synthesis (ORG) $CBrCl_3$ MW 198.28 1 l = 2.01 kg		100 ml	18.50	
	1-Bromotricyclo(3,3,1,1^{3,7}) decane see 1-Bromoadamantane				

		Volume			Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
					DM	DM
8271	**Bromotriphenylmethane** (trityl bromide) for synthesis (LAB) $C_{19}H_{15}Br$ MW 323.24 TYPE ANALYSIS: Assay (argentometric) . . 98% Melting-point . . . 150–152° C Sulfated ash 0.1%	1.6		25 g	16.25	
3033	**Bromoxylenol blue** indicator $C_{23}H_{20}Br_2O_5S$ MW 568.29	4		1 g 5 g	5.25 19.—	
47044	**Bromthalein®** for the liver function test (ampoules 0.5 g : 10 ml)			3 ampoules 10 ampoules 50 ampoules	6.— 17.— 76.—	
	Bromthalein® see also Phenoltetrabromophthaleinsulfonic acid disodium salt					
1267	**Brown A** powder **Patinal®** particle size less than 0.3 mm		P	100 g 1 kg	42.— price on application	
1264	**Brown C** powder **Patinal®** particle size less than 0.3 mm	0.5	P	100 g 1 kg	84.— price on application	
1952	**Brucine** GR $C_{23}H_{26}N_2O_4 \cdot 2\,H_2O$ MW 430.51 CERTIFICATE OF GUARANTEE: Assay . . . . . min. 99% Melting-point . . 176–178° C Chloride (Cl) . . max. 0.002% Sulfate (SO_4) . . max. 0.01 % Nitrate (NO_3) . . passes test Sulfated ash . . . max. 0.1 % Suitability for determination of nitrate . . . passes test	2	P	10 g 25 g 100 g	13.25 30.50 105.—	
4197	**BTS catalyst** 0.8–2 mm for elementary analysis and gas purification			100 g	30.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
9401	**Buffer solution** pH 8.6 for serum electrophoresis	1 l = 1.00 kg	1 l 5 l	4.— 15.25	
	Buffer Titrisols (**Titrisol**® DBP No. 971 376) concentrated volumetric solution in special ampoule for the preparation of 500 ml of buffer solutions at intervals of whole pH units: Buffer Titrisol for buffer solution			ampoule	
9881/0001	**pH 1.00** (glycocoll-hydrochloric acid)			4.50	
9882/0001	**pH 2.00** (citrate-hydrochloric acid)			4.50	
9883/0001	**pH 3.00** (citrate-hydrochloric acid)			4.50	
9884/0001	**pH 4.00** (citrate-hydrochloric acid)			4.50	
9885/0001	**pH 5.00** (citrate-sodium hydroxide)			4.50	
9886/0001	**pH 6.00** (citrate-sodium hydroxide)			4.50	
9887/0001	**pH 7.00** (phosphate)			4.50	
9888/0001	**pH 8.00** (borate-hydrochloric acid)			4.50	
9889/0001	**pH 9.00** (boric acid/potassium chloride-sodium hydroxide)			4.50	
9890/0001	**pH 10.00** (boric acid/potassium chloride-sodium hydroxide)			4.50	
9891/0001	**pH 11.00** (phosphate-sodium hydroxide)			4.50	
9892/0001	**pH 12.00** (phosphate-sodium hydroxide)			4.50	
9893/0001	**pH 13.00** (potassium chloride-sodium hydroxide)			4.50	
9879/0001	for the preparation of 1 litre of buffer solution acc. to Weise: **pH 7.20** (phosphate)			5.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Butanal see *n*-Butyraldehyde				
	Butane-1,4-dicarboxylic acid see Adipic acid				
1964	**1,3-Butanediol** for synthesis (ORG) $C_4H_{10}O_2$ MW 90.12	1 l = 1.00 kg		1 l	9.50	
1532	**1,4-Butanediol** for synthesis (ORG) $C_4H_{10}O_2$ MW 90.12	1 l = 1.02 kg		1 l 2½ l	10.50 23.75	
	2,3-Butanediol see Diacetyl				
1997	**1,3-Butanediol diacrylate** for synthesis (ORG) stabilised with 60—100 ppm hydroquinone $C_{10}H_{14}O_4$ MW 198.22	1 l = 1.05 kg		100 ml	15.—	
1996	**1,4-Butanediol diacrylate** for synthesis (ORG) stabilised with 60—100 ppm hydroquinone $C_{10}H_{14}O_4$ MW 198.22	1 l = 1.05 kg		100 ml	13.—	
1563	**1,4-Butanediol dimethacrylate** for synthesis (ORG) stabilised with 100—200 ppm hydroquinone monomethylether $C_{12}H_{18}O_4$ MW 226.27	1 l = 1.02 kg		250 ml	10.—	
1596	**1,4-Butanediol divinyl ether** for synthesis (ORG) stabilised with 0.01% hydroquinone $C_6H_{14}O_2$ MW 142.20	1 l = 0.90 kg		100 ml	17.—	
	2,3-Butanedione dioxime see Dimethylglyoxime				

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1587	**1-Butanethiol** for synthesis (ORG) $C_4H_{10}S$ MW 90.19	1 l = 0.85 kg	250 ml	11.—	
1818	**2-Butanethiol** for synthesis (ORG) $C_4H_{10}S$ MW 90.19	1 l = 0.83 kg	250 ml	11.50	
	Butanoic acid see Butyric acid				
1990	**1-Butanol** (*n*-butyl alcohol) GR $CH_3(CH_2)_3OH$ MW 74.12	1 l = 0.81 kg	500 ml 1 l 2½ l standard box 30 x 1 l 4 x 30 x 1 l 8 x 2½ l 8 x 8 x 2½ l	5.— 8.50 17.— 1 l 8.— 1 l 7.75 2½ l 16.— 2½ l 15.50	
1989	**1-Butanol** (*n*-butyl alcohol) for spectroscopy **Uvasol**® $CH_3(CH_2)_3OH$ MW 74.12	1 l = 0.81 kg	500 ml 1 l	13.50 25.—	
988	**1-Butanol** (*n*-butyl alcohol) $CH_3(CH_2)_3OH$ MW 74.12	1 l = 0.81 kg	1 l 2½ l 50 kg	6.— 11.—	 4.—
9630	**2-Butanol** (*sec*-butyl alcohol) GR $CH_3CH(OH)CH_2CH_3$ MW 74.12	1 l = 0.80 kg	1 l 2½ l	7.10 14.75	

CERTIFICATE OF GUARANTEE:

Assay (gas chromatographic)	min. 99.5 %
Free acid (as C_3H_7COOH)	max. 0.002%
Aldehydes (as C_3H_7CHO)	max. 0.01 %
Ketones (as acetone)	max. 0.01 %
Readily carbonisable substances	passes test
Water	max. 0.1 %
Non-volatile substances	max. 0.001%

CERTIFICATE OF GUARANTEE:

Suitability for UV spectroscopy (1-cm cell; reference : water)

Transmittance at

210 nm	min. 25%	250 nm	min. 94%
220 nm	min. 45%	260 nm	min. 97%
230 nm	min. 65%	270–350 nm	min. 98%
240 nm	min. 85%		

Suitability for IR spectroscopy . . . . passes test

CERTIFICATE OF GUARANTEE:

Assay (gas chromatographic)	min. 99%
d 20°/4°	0.806–0.808
Refractive index ($n_D^{20°}$)	1.3970–1.3980
Boiling-range	98.5–100 °C
Non-volatile substances	max. 0.005%
Water (acc. to Karl Fischer)	max. 0.2 %

		Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
984	●|● ***iso*-Butanol** (*iso*-butyl alcohol) GR $(CH_3)_2CHCH_2OH$ MW 74.12	1 l = 0.80 kg		
	CERTIFICATE OF GUARANTEE: Assay (gas chromatographic) min. 99 % Free acid (as C_3H_7COOH) max. 0.005% Aldehydes (as C_3H_7CHO) . max. 0.01 % Ketones (as acetone) . . max. 0.01 % Peroxides (as H_2O_2) . . . max. 0.001% Readily carbonisable substances . . . passes test Water . . . . . max. 0.05 % Non-volatile substances . . . max. 0.001%			
	500 ml		5.—	
	1 l		8.50	
	2½ l		17.—	
985	●|● ***iso*-Butanol** (*iso*-butyl alcohol) $(CH_3)_2CHCH_2OH$ MW 74.12	1 l = 0.80 kg		
	1 l		6.—	
	2½ l		11.—	
	50 kg			3.25
9629	●|● ***tert*-Butanol** (*tert*-butyl alcohol, 2-methyl-2-propanol) GR $(CH_3)_3COH$ MW 74.12	1 l = 0.77 kg		
	CERTIFICATE OF GUARANTEE: Assay (gas chromatographic) . . . min. 99% 2-Butanol (gas chromatographic) . . . max. 0.5% d 25°/4° . . . . . 0.780–0.783 Refractive index ($n_D^{25°}$) . . . . 1.3845–1.3855 Melting-point . . 23–24° C Boiling-range . . 81–83° C Non-volatile substances . . max. 0.001% Water (acc. to Karl Fischer) . max. 0.1 %			
	500 ml aluminium bottle		5.25	
	1¼ l standard box cont. 8 x 1¼ l		12.50	
	5 l		39.50	
987	●|● ***tert*-Butanol** (*tert*-butyl alcohol, 2-methyl-2-propanol) $(CH_3)_3COH$ MW 74.12	1 l = 0.77 kg		
	aluminium bottle 1¼ l		9.50	
	5 l		27.50	
	2-Butanone see Ethyl methyl ketone			
	trans-2-Butenal see Crotonaldehyde			
1529	*cis*-**2-Butene-1,4-diol** for synthesis (ORG) $C_4H_8O_2$ MW 88.11	1 l = 1.05 kg		
	500 ml		10.—	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	trans-2-Butenedioic acid see Fumaric acid					
747	**3-Butenoic acid** for synthesis (ORG) $C_4H_6O_2$ MW 86.09	1 l = 1.01 kg		100 ml	23.25	
	2-Buten-1-ol see Crotyl alcohol					
1607	**3-Buten-2-ol** for synthesis (ORG) C_4H_8O MW 72.11	1 l = 0.83 kg		25 ml	8.—	
	trans-2-Buten-1-one see Crotonaldehyde					
	3-Buten-1-one see Methyl vinyl ketone					
1908	*N*-(*tert*-**Butoxycarbonyl**)-L-**alanine** for synthesis (LAB) $C_8H_{15}NO_4$ MW 189.21			1 g 5 g	14.25 60.—	
1936	*N*-(*tert*-**Butoxycarbonyl**)-L-**asparagine** for synthesis (LAB) $C_9H_{16}N_2O_5$ MW 232.24			1 g 5 g	14.25 60.—	
1830	*N*-(*tert*-**Butoxycarbonyl**)-L-**aspartic acid β-benzyl ester** for synthesis (LAB) $C_{16}H_{21}NO_6$ MW 323.35	2.5		1 g 5 g	14.25 60.—	
2414	*N*-(*tert*-**Butoxycarbonyl**)-*S*-**benzyl**-L-**cysteine** for synthesis (LAB) $C_{15}H_{21}NO_4S$ MW 311.40			1 g 5 g	14.25 60.—	
2475	N^{α}-(*tert*-**Butoxycarbonyl**)-N^{im}-**benzyl**-L-**histidine** for synthesis (LAB) $C_{18}H_{23}N_3O_4$ MW 345.40	3		1 g	14.25	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2440	N^{α}-(*tert*-**Butoxycarbonyl**)-N^{ω}-(**benzyloxycarbonyl**)-L-**lysine dicyclohexylammonium salt** for synthesis (LAB) $C_{31}H_{51}N_3O_6$ MW 561.77	1		1 g 5 g	8.50 32.50	
1928	*N*-(*tert*-**Butoxycarbonyl**)-*O*-**benzyl**-L-**tyrosine** for synthesis (LAB) $C_{21}H_{25}NO_5$ MW 371.44			1 g 5 g	14.25 60.–	
1939	*N*-(*tert*-**Butoxycarbonyl**)-L-**glutamic acid** γ-**benzyl ester dicyclohexylammonium salt** for synthesis (LAB) $C_{29}H_{46}N_2O_6$ MW 518.70	2		1 g 5 g	14.25 60.–	
1955	*N*-(*tert*-**Butoxycarbonyl**)-**glycine** for synthesis (LAB) $C_7H_{13}NO_4$ MW 175.19	1		1 g 5 g	14.25 60.–	
2404	N^{α}-(*tert*-**Butoxycarbonyl**)-L-**histidine hydrazide** for synthesis (LAB) $C_{11}H_{19}N_5O_3$ MW 269.31			1 g	14.25	
1956	*N*-(*tert*-**Butoxycarbonyl**)-L-**leucine** for synthesis (LAB) $C_{11}H_{21}NO_4$ MW 231.29	4		1 g 5 g	14.25 60.–	
2493	*N*-(*tert*-**Butoxycarbonyl**)-L-*iso*-**leucine, dicyclohexylammonium salt** for synthesis (LAB) $C_{23}H_{44}N_2O_4$ MW 412.62	4		1 g 5 g	14.25 60.–	
1937	*N*-(*tert*-**Butoxycarbonyl**)-L-**methionine dicyclohexylammonium salt** for synthesis (LAB) $C_{22}H_{42}N_2O_4S$ MW 430.66			1 g 5 g	14.25 60.–	
2415	N^{α}-(*tert*-**Butoxycarbonyl**)-N^{ω}-**nitro**-L-**arginine** for synthesis (LAB) $C_{11}H_{21}N_5O_6$ MW 319.32			1 g 5 g	14.25 60.–	
1953	*N*-(*tert*-**Butoxycarbonyl**)-L-**phenylalanine** for synthesis (LAB) $C_{14}H_{19}NO_4$ MW 265.31	2.5		1 g 5 g	14.25 60.–	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1938	*N*-(*tert*-**Butoxycarbonyl**)-L-**proline** for synthesis (LAB) $C_{10}H_{17}NO_4$ MW 215.25		1 g 5 g	14.25 60.—	
2418	*N*-(*tert*-**Butoxycarbonyl**)-L-**serinehydrazide** for synthesis (LAB) $C_8H_{17}N_3O_4$ MW 219.24		1 g 5 g	14.25 60.—	
1954	*N*-(*tert*-**Butoxycarbonyl**)-L-**threoninehydrazide** for synthesis (LAB) $C_9H_{19}N_3O_4$ MW 233.27	2	1 g 5 g	14.25 60.—	
2480	N^{α}-(*tert*-**Butoxycarbonyl**)-L-**tryptophan** for synthesis (LAB) $C_{16}H_{20}N_2O_4$ MW 304.35	6	1 g 5 g	11.50 47.50	
1951	*N*-(*tert*-**Butoxycarbonyl**)-L-**valine dicyclohexylammonium salt** for synthesis (LAB) $C_{22}H_{42}N_2O_4$ MW 398.59	2.5	1 g 5 g	14.25 60.—	
	2-(Butoxy)-ethanol see Ethylene glycol monobutyl ether				
1395	**2-Butoxyethyl acetate** for synthesis (ORG) $C_8H_{16}O_3$ MW 160.21 1 l = 0.94 kg		1 l 2½ l	9.50 19.—	
	1-Butoxy-2-propanol see Propylene glycol 1-monobutyl ether				
1609	**3-Butoxypropylamine** for synthesis (ORG) $C_7H_{17}NO$ MW 131.22 1 l = 0.86 kg		100 ml	13.25	
9652	*n*-**Butyl acetate** GR $C_6H_{12}O_2$ MW 116.16 1 l = 0.88 kg		500 ml 1 l	5.25 9.—	

CERTIFICATE OF GUARANTEE:

Assay (gas chromatographic)	min. 99 %	Lead (Pb)	max. 0.000001%
Free acid (as CH_3COOH)	max. 0.003 %	Copper (Cu)	max. 0.000005%
d 20°/4°	0.880–0.882	Iron (Fe)	max. 0.00001 %
Refractive index ($n_D^{20°}$)	1.3937–1.3945	Zinc (Zn)	max. 0.000001%
Boiling-range (760 mm)	122–125° C (0–5%) 124.5–126.5° C (5–95%)	*n*-Butanol (gas chromatographic)	max. 0.5 %
		Non-volatile substances	max. 0.001 %
		Water (acc. to Karl Fischer)	max. 0.08 %

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1974	•!•	***n*-Butyl acetate** 98–100% $C_6H_{12}O_2$ MW 116.16	1 l = 0.88 kg	1 l 2½ l 50 kg	7.10 13.75	4.30
1150	•!•	***tert*-Butyl acetate** for synthesis (LAB) $C_6H_{12}O_2$ MW 116.16	1 l = 0.87 kg	250 ml 1 l	12.50 37.50	
		tert-Butylacetic acid see 3,3-Dimethylbutyric acid				
1622		***N*-*tert*-Butylacrylamide** for synthesis (ORG) $C_7H_{13}NO$ MW 127.19		250 g	13.25	
832	•!•	***n*-Butyl acrylate** for synthesis (ORG) stabilised with 100 ppm hydroquinone $C_7H_{12}O_2$ MW 128.17	1 l = 0.89 kg	500 ml	9.75	
1451	•!•	***iso*-Butyl acrylate** for synthesis (ORG) stabilised with 0.01% hydroquinone $C_7H_{12}O_2$ MW 128.17	1 l = 0.87 kg	250 ml		
		Butyl alcohol see Butanol				
1539	•!•	***n*-Butylamine** for synthesis (ORG) $C_4H_{11}N$ MW 73.14	1 l = 0.74 kg	1 l	11.50	
1545	•!•	***iso*-Butylamine** for synthesis (ORG) $C_4H_{11}N$ MW 73.14	1 l = 0.73 kg	250 ml	15.25	
1540	•!•	***sec*-Butylamine** for synthesis (ORG) $C_4H_{11}N$ MW 73.14	1 l = 0.72 kg	250 ml	12.50	
1546	•!•	***tert*-Butylamine** for synthesis (ORG) $C_4H_{11}N$ MW 73.14	1 l = 0.69 kg	250 ml	7.50	
1547		**2-(*tert*-Butylamino)-ethanol** for synthesis (ORG) $C_6H_{15}NO$ MW 117.19		100 g	9.50	
581	•!•	**2-*tert*-Butylaminoethyl methacrylate** for synthesis (ORG) stabilised with 0.1% hydroquinone monomethyl ether $C_{10}H_{19}NO_2$ MW 185.27	1 l = 0.92 kg	250 ml	17.50	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1978		**1-(Butylamino)-2-propanol** for synthesis (ORG) $C_7H_{17}NO$ MW 131.22	1 l = 0.87 kg	250 ml	19.50	
1755		**Butyl benzoate** for synthesis (ORG) $C_{11}H_{14}O_2$ MW 178.23	1 l = 1.00 kg	250 ml 1 l	9.— 27.50	
		N-Butylbis(2-hydroxyethyl)-amine see *N*-Butyl-2,2′-iminobis(ethanol)				
		Butyl bromide see Bromobutane				
1549	•|•	*iso*-**Butyl bromide** for synthesis (ORG) C_4H_9Br MW 137.03	1 l = 1.27 kg	250 ml	10.50	
1966	•|•	*tert*-**Butyl bromide** for synthesis (ORG) C_4H_9Br MW 137.03	1 l = 1.22 kg	250 ml	14.25	
1656		*tert*-**Butyl carbazate** for synthesis (LAB) $C_5H_{12}N_2O_2$ MW 132.16		100 g 1 kg	46.— 400.—	
		n-Butyl chloride see 1-Chlorobutane				
1550	•|•	*tert*-**Butyl chloride** for synthesis (ORG) C_4H_9Cl MW 92.57	1 l = 0.84 kg	1 l	11.50	
2358	•|•	*iso*-**Butyl chloroformate** for synthesis (LAB) $C_5H_9ClO_2$ MW 136.58	1 l = 1.04 kg	100 ml 250 ml	14.75 31.50	
1846	•|•	**Butyl** *iso*-**cyanate** for synthesis (ORG) C_5H_9NO MW 99.13	1 l = 0.88 kg	100 ml	11.—	
1619		**4-***tert*-**Butylcyclohexanol** for synthesis (ORG) mixture of *cis*- and *trans*-isomers $C_{10}H_{20}O$ MW 156.27	2	500 g	15.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1620	**4-*tert*-Butylcyclohexanone** for synthesis (ORG) $C_{10}H_{18}O$ MW 154.25		100 g	15.50	
	***N*-Butyldiethanolamine** see *N*-Butyl-2,2′-iminobis (ethanol)				
	***N*-Butyldi-*iso*-propanolamine** see *N*-Butyl-1,1′-iminodi-(2-propanol)				
	1,3-Butylene glycol sulfite see 1,3-Butylene sulfite				
1623	**1,3-Butylene sulfite** for synthesis (ORG) $C_4H_8O_3S$ MW 136.17	1 l = 1.24 kg	100 ml	14.75	
	Butyl 2,3-epoxypropyl ether see Glycidol *n*-butyl ether				
	***N*-*tert*-Butylethanolamine** see 2-(*tert*-Butylamino)-ethanol				
	***O*-Butylethyleneglycol** see Ethylene glycol monobutyl ether				
1552	*N*-*tert*-**Butylformamide** for synthesis (ORG) $C_5H_{11}NO$ MW 101.15	1 l = 0.90 kg	100 ml	17.50	
	Butylglycol see Ethylene glycol monobutyl ether				
	***O*-Butylglycol see Triethylene glycol monobutyl ether**				
1551	*N*-**Butyl-2,2′-iminobis(ethanol)** for synthesis (ORG) $C_8H_{19}NO_2$ MW 161.25	1 l = 0.97 kg	250 ml	10.50	
1979	*N*-**Butyl-1,1′-iminodi-(2-propanol)** for synthesis (ORG) $C_{10}H_{23}NO_2$ MW 189.30	1 l = 0.92 kg	100 ml	5.80	
	Butyl iodide see Iodobutane				
	***tert*-Butyl iodide see 2-Iodo-2-methylpropane**				

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1660	•I•	***n*-Butyllithium** about 20% in hexane for synthesis (LAB) C_4H_9Li MW 64.06 1 l = 0.70 kg		100 ml 1 l	15.25 79.—	
		Butyl mercaptan see Butanethiol				
585	•I•	**Butyl methacrylate** for synthesis (ORG) stabilised with 100 ppm hydroquinone $C_8H_{14}O_2$ MW 142.20 1 l = 0.89 kg		500 ml	10.—	
586	•I•	***iso*-Butyl methacrylate** for synthesis (ORG) stabilised with 100 ppm hydroquinone $C_8H_{14}O_2$ MW 142.20 1 l = 0.89 kg		250 ml	7.50	
		Butyl 2-methylpropenoate see Butyl methacrylate				
		iso-Butyl 2-methylpropenoate see *iso*-Butyl methacrylate				
		Butyl nicotinate see Butyl pyridine carboxylate				
1973	•I•	***tert*-Butyl peracetate** about 50% in dimethyl phthalate for synthesis (LAB) $C_6H_{12}O_3$ MW 132.16 1 l = 1.04 kg		250 ml	20.—	
		N-Butyl-*iso*-propanolamine see 1-(Butylamino)-2-propanol				
786		**Butyl 3-pyridine carboxylate** for synthesis (ORG) $C_{10}H_{13}NO_2$ MW 179.22 1 l = 1.05 kg		50 ml	10.—	
787		**Butyl 4-pyridine carboxylate** for synthesis (ORG) $C_{10}H_{13}NO_2$ MW 179.22 1 l = 0.84 kg		50 ml	10.50	
1987		**4-*tert*-Butylpyrocatechol** for synthesis (ORG) $C_{10}H_{14}O_2$ MW 166.22	1.3	250 g	12.50	
1847	•I•	**Butyl vinyl ether** for synthesis (ORG) stabilised with 0.005% hydroquinone $C_6H_{12}O$ MW 100.16 1 l = 0.78 kg		250 ml	11.—	
8546	•I•	***iso*-Butyl vinyl ether** for synthesis (ORG) stabilised with 0.1% KOH pills $C_6H_{12}O$ MW 100.16 1 l = 0.76 kg		500 ml	10.50	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
		Butynedioic acid see Acetylenedicarboxylic acid				
1537		**2-Butyne-1,4-diol** for synthesis (ORG) $C_4H_6O_2$ MW 86.09		500 g	9.—	
1555	•|•	***n*-Butyraldehyde** for synthesis (ORG) C_4H_8O MW 72.11	1 l = 0.82 kg	1 l 2½ l	7.50 15.75	
1556	•|•	***iso*-Butyraldehyde** for synthesis (ORG) C_4H_8O MW 72.11	1 l = 0.79 kg	1 l 2½ l	7.50 15.75	
457		***n*-Butyric acid** for synthesis (ORG) $C_4H_8O_2$ MW 88.11	1 l = 0.96 kg	1 l	9.75	
472		***iso*-Butyric acid** for synthesis (ORG) $C_4H_8O_2$ MW 88.11	1 l = 0,95 kg	500 ml 1 l	10.50 18.50	
503	•|•	**Butyric anhydride** for synthesis (ORG) $C_8H_{14}O_3$ MW 158.20	1 l = 0.99 kg	250 ml 1 l	6.30 16.75	
504	•|•	***iso*-Butyric anhydride** for synthesis (ORG) $C_8H_{14}O_3$ MW 158.20	1 l = 0.95 kg	100 ml	9.—	
1661		***γ*-Butyrolactone** for synthesis (LAB) $C_4H_6O_2$ MW 86.09	1 l = 1.13 kg	1 l 2½ l	15.75 34.75	
4805	•|•	***iso*-Butyronitrile** for synthesis (ORG) C_4H_7N MW 69.11	1 l = 0.76 kg	500 ml	8.25	
1589		**Butyrophenone** for synthesis (ORG) $C_{10}H_{12}O$ MW 148.21	1 l = 0.98 kg	100 ml	10.50	
1977	•|•	**Butyryl chloride** for synthesis (ORG) C_4H_7ClO MW 106.55	1 l = 1.02 kg	100 ml	8.50	
1976	•|•	***iso*-Butyryl chloride** for synthesis (ORG) C_4H_7ClO MW 106.55	1 l = 1.00 kg	100 ml 500 ml	5. 17.50	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4795	**Cacotheline** GR (reagent for vanadium and tin) and redox indicator CERTIFICATE OF GUARANTEE: Assay (ex N) . . . min. 95 % Water (acc. to Karl Fischer) . . max. 5 % Sulfated ash . . . max. 0.1% Suitability for determination of metal . . . . passes test	2	P	5 g	16.—	
2004	**Cadmium** granular GR Cd AW 112.40 CERTIFICATE OF GUARANTEE: Silicium (Si) . . . max. 0.001% Lead (Pb) . . . . max. 0.005% Tin (Sn) . . . . . max. 0.001% Copper (Cu) . . . max. 0.001% Iron (Fe) . . . . . max. 0.002% Zinc (Zn) . . . . max. 0.001% Calcium (Ca) . . . max. 0.002%	0.2	P	250 g 1 kg	29.— 100.—	
2001	**Cadmium** coarse powder (for filling reductors) Cd AW 112.40	0.26	P	250 g 1 kg 5 kg	29.— 100.— 475.	
2003	**Cadmium acetate** GR $(CH_3COO)_2Cd \cdot 2\,H_2O$ MW 266.52 CERTIFICATE OF GUARANTEE: Assay of $(CH_3COO)_2Cd \cdot 2\,H_2O$ min. 99% Chloride (Cl) . . max. 0.001 % Sulfate (SO_4) . max. 0.005 % Calcium (Ca) . . max. 0.005 % Sodium (Na) . . max. 0.005 % Potassium (K) . . max. 0.005 % Total nitrogen (N) . . . . . max. 0.0004% Sulfide (S) . . . max. 0.002 % Lead (Pb) . . . max. 0.005 % Copper (Cu) . . max. 0.0005% Iron (Fe) . . . max. 0.0005% Zinc (Zn) . . . max. 0.002 %	0.8	P	100 g 250 g 1 kg	8.50 18. 62.—	
2002	**Cadmium acetate** pure $(CH_3COO)_2Cd \cdot 2\,H_2O$ MW 266.52	0.9	P □	250 g 1 kg 25 kg	14.— 47.50	 price on application
2005	**Cadmium(II) acetylacetonate** for synthesis (LAB) $C_{10}H_{14}CdO_4$ MW 310.62	0.5		100 g 500 g	15.75 70.—	
2008	**Cadmium bromide** $CdBr_2 \cdot 4\,H_2O$ MW 344.28	0.8	P □	250 g 1 kg 25 kg	12.50 41.—	 price on application
2009	**Cadmium carbonate** extra pure $CdCO_3$ MW 172.41	1.4	P □	250 g 1 kg 25 kg	19.— 65.—	 price on application

		Volume		Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
				DM	DM
2011	**Cadmium chloride** pure $CdCl_2 \cdot H_2O$ MW 201.32 TYPE ANALYSIS: Assay (chelatometric) . 98 % Sulfate (SO_4) . . . . 0.02 % Lead (Pb) . . . . . 0.005% Copper (Cu) . . . . . 0.002% Iron (Fe) . . . . . 0.001% Zinc (Zn) . . . . . 0.02 % Substances not precipitated by hydrogen sulfide (as sulfates) . . . . 0.2 %	0.9	P P P P P	100 g 250 g 1 kg 25 kg 25 kg	7.75 17.— 57.50 price on application	
2010	**Cadmium chloride** $CdCl_2 \cdot H_2O$ MW 201.32	0.9	P P P P	250 g 1 kg 5 kg 25 kg	15.— 51.— 240.— price on application	
2006	**Cadmium fluoride Selectipur®** CdF_2 MW 150.40	1	P P	100 g 1 kg	prices on application	
2012	**Cadmium iodide** CdI_2 MW 366.21	0.55		100 g 250 g	7.75 18.50	
2014	Cadmium nitrate 4-hydrate GR $Cd(NO_3)_2 \cdot 4H_2O$ MW 308.47 CERTIFICATE OF GUARANTEE: Assay of $Cd(NO_3)_2 \cdot 4H_2O$ (chelatometric) . min. 99 % Substances insoluble in water max. 0.005% Chloride (Cl) . . . max. 0.001% Sulfate (SO_4) . . max. 0.002% Lead (Pb) . . . . . max. 0.005% Copper (Cu) . . . max. 0.001% Iron (Fe) . . . . . max. 0.001% Zinc (Zn) . . . . max. 0.001% Substances not precipitated by hydrogen sulfide (as sulfates) . . max. 0.1 %	0.9	P P	100 g 250 g	6.50 14	
2013	**Cadmium nitrate 4-hydrate** pure $Cd(NO_3)_2 \cdot 4H_2O$ MW 308.47 TYPE ANALYSIS: Assay (chelatometric) . 99 % Chloride (Cl) . . . . 0.005% Sulfate (SO_4) . . . . 0.01 % Lead (Pb) . . . . . 0.005% Copper (Cu) . . . . . 0.003% Iron (Fe) . . . . . 0.002% Zinc (Zn) . . . . . 0.005% Substances not precipitated by hydrogen sulfide (as sulfates) . . . . 0.2 %	0.9	P P P P	250 g 1 kg 5 kg 25 kg	11.50 38.— 170.— price on application	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2015	**Cadmium oxide** anhydrous CdO MW 128.40	1.6	100 g 250 g 1 kg	11.25 25.75 89.—	
2016	**Cadmium propionate** anhydrous scintillation grade $C_6H_{10}CdO_4$ MW 258.54	1	100 g	31.50	
2017	**Cadmium selenide Suprapur®** CdSe MW 191.36 CERTIFICATE OF GUARANTEE: Chloride (Cl) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Copper (Cu) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Nickel (Ni) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Cobalt (Co) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Iron (Fe) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Zinc (Zn) . . . . . max. $5 \cdot 10^{-3}$ % (50 ppm)	0.6	25 g 250 g	35.— 295.—	
2023	**Cadmium selenide** powder **Patinal®** particle size less than 0.3 mm CdSe MW 191.36		100 g 1 kg	100.— price on application	
2028	**Cadmium sulfate** cryst. **Suprapur®** $3\,CdSO_4 \cdot 8\,H_2O$ MW 769.51	0.5	50 g 500 g	26.50 190. -	
2027	**Cadmium sulfate** GR $3\,CdSO_4 \cdot 8\,H_2O$ MW 769.51 CERTIFICATE OF GUARANTEE: Assay of $3\,CdSO_4 \cdot 8\,H_2O$ min. 99 % Chloride (Cl) . . max. 0.001 % Total nitrogen (N) . . . . . max. 0.001 % Lead (Pb) . . . . max. 0.003 % Copper (Cu) . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Zinc (Zn) . . . . max. 0.002 % Calcium (Ca) . . max. 0.005 % Sodium (Na) . . max. 0.005 % Potassium (K) . . max. 0.005 %	0.5	100 g 250 g 1 kg	8.25 18. - 62. -	
2021	**Cadmium sulfate Selectipur®** $3\,CdSO_4 \cdot 8\,H_2O$ MW 769.51	0.5	1 kg	price on application	
2026	**Cadmium sulfate** extra pure, Erg B 6 $3\,CdSO_4 \cdot 8\,H_2O$ MW 769.51	0.6	250 g 1 kg 25 kg	14.50 49.— price on application	

Cadmium sulfate solution see Wunderly's reagent

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2020	**Cadmium sulfide Suprapur®** CdS MW 144.46 CERTIFICATE OF GUARANTEE: Chloride (Cl) . . . . . max. $5 \cdot 10^{-3}$ % (50 ppm) Copper (Cu) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Cobalt (Co) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Nickel (Ni) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Iron (Fe) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Zinc (Zn) . . . . . max. $5 \cdot 10^{-3}$ % (50 ppm)	0.6	P	50 g 500 g	45.— 300.—	
2030	**Cadmium sulfide** powder **Patinal®** particle size less than 0.3 mm CdS MW 144.46		P	100 g 1 kg	80.— price on application	
1685	**Caedax®** (canada balsam synthetic) $n_D^{20°}$ 1.55 for microscopy 1 l = 1.18 kg			100 ml 500 ml	6.25 21.	
	Caesium see Cesium					
2584	**Caffeine** pure DAB 7, BP 1968, JP VI, Ph Internat I, USP XVI $C_8H_{10}N_4O_2$ MW 194.19	1.9	P P P P	250 g 1 kg 5 kg 50 kg	8.— 26.25 105.—	18.50
2582	**Caffeine citrate** powder Erg B 6, BPC 1959, NF XII $C_{14}H_{18}N_4O_9$ MW 386.32	1.5	P P P P	250 g 1 kg 5 kg 50 kg	7.50 23.50 100.—	17.25
2583	**Caffeine reagent** for determination of serum bilirubin 1 l = 1.08 kg			500 ml 1 l	6.30 9.—	
2588	**Caffeine sodium benzoate*** powder DAB 7	2	P P P P	250 g 1 kg 5 kg 50 kg	7.50 23.50 100.—	17.25
2589	**Caffeine sodium salicylate*** powder DAB 7	2	P P P P	250 g 1 kg 5 kg 50 kg	8.— 24.— 105.—	19.70

* Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2315	**Calcein** (2,7-bis[bis(carboxymethyl)-aminomethyl]-fluorescein) metal (pM) indicator $C_{30}H_{26}N_2O_{13}$ MW 622.55			1 g 5 g	6.80 24.—	
	Calciferol see Vitamin D_2					
2053	**Calcium** granular (LAB) Ca AW 40.08 TYPE ANALYSIS: Assay of Ca (chelatometric) . . . 98.5% Substances insoluble in hydrochloric acid . . 0.05% Chloride (Cl) . . . . . 0.05% Iron (Fe) . . . . . 0.1 % Strontium (Sr) . . . . . 0.5 % Sodium (Na) 0.01%	1.7		100 g 250 g 1 kg	6.80 15.25 47.25	
9325	**Calcium acetate** dried for soil tests $(CH_3COO)_2Ca \cdot x\,H_2O$ MW (anhydrous) 158.17 CERTIFICATE OF GUARANTEE: Assay of $(CH_3COO)_2Ca$ (chelatometric) 93.5–94.5 % pH [5% solution (20° C)] . . . . 7.2–7.8 Chloride (Cl) . . max. 0.01 % Sulfate (SO_4) . . max. 0.1 % Total nitrogen (N) max. 0.002% Heavy metals (as Pb) . . . . max. 0.005% Iron (Fe) . . . . max. 0.001% Sodium (Na) . . max. 0.02 % Potassium (K) . . max. 0.01 %	3.5	P	500 g 1 kg 5 kg 25 kg	9.75 16.75 70.—	 10.50
2052	**Calcium acetate** dried pure $(CH_3COO)_2Ca \cdot x\,H_2O$ MW (anhydrous) 158.17 TYPE ANALYSIS: Assay of $(CH_3COO)_2Ca$ (chelatometric) . . . 90 % Chloride (Cl) . . . . 0.01 % Sulfate (SO_4) . . . . 0.1 % Total nitrogen (N) . . 0.003% Heavy metals (as Pb) . 0.005% Iron (Fe) . . . . . 0.002% Substances not precipitated by ammonium oxalate (as sulfates) . . . . 0.8 %	4		500 g 1 kg 5 kg 25 kg 5 x 25 kg	5.30 9.— 31.50	 5.80 5.65
500579	**Calcium L(+)ascorbate** $C_{12}H_{14}CaO_{12} \cdot 2\,H_2O$ MW 426.35	1.5		1 kg 5 kg 50 kg	prices on application	
2049	**Calcium benzylphthalate** $C_{30}H_{22}CaO_8$ MW 550.59	4	P	1 kg 5 kg 25 kg	46.25 216.—	 40.75
	Calcium biphosphate see Calcium bis(dihydrogen phosphate)					

		Volume			Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
					DM	DM
2136	**Calcium bis(dihydrogen phosphate) 1-hydrate** cryst. extra pure $Ca(H_2PO_4)_2 \cdot H_2O$ MW 252.07	1	P	250 g	4.50	
				1 kg	10.50	
				5 kg	42.—	
				50 kg		7.60
2055	**Calcium bromide** min. 84% Cod Franç 1965, Ph Ned VI $CaBr_2 \cdot x H_2O$ MW (anhydrous) 199.90	0.9		500 g	5.80	
				1 kg	10.—	
				5 kg	40.—	
				50 kg		7.—
2056	**Calcium bromide** min. 84% NF XI $CaBr_2 \cdot x H_2O$ MW (anhydrous) 199.90	0.9		500 g	5.80	
				1 kg	10.—	
				50 kg		7.—
	Calcium camphorsulfonate see *d*-Camphorsulfonic acid calcium salt					
2060	**Calcium carbonate** precipitated GR volumetric standard $CaCO_3$ MW 100.09	2.5	P	100 g	5.30	
2066	**Calcium carbonate** precipitated GR $CaCO_3$ MW 100.09	2.5	P	250 g	6.30	
				500 g	10.25	
				1 kg	19.—	
	CERTIFICATE OF GUARANTEE: Assay of $CaCO_3$ (chelatometric) min. 99% Substances insoluble in hydrochloric acid . . . . . max. 0.005 % Chloride (Cl) . max. 0.005 % Sulfate (SO_4) . max. 0.005 % Total nitrogen (N) . . . . . max. 0.001 % Lead (Pb) . . . max. 0.0005% Copper (Cu) . . max. 0.0005% Iron (Fe) . . . max. 0.002 % Aluminium (Al) . max. 0.002 % Barium (Ba) . . max. 0.005 % Substances not precipitated by ammonium oxalate (as sulfates) . max. 0.3 %					
2067	**Calcium carbonate** precipitated, for analysis of silicates $CaCO_3$ MW 100.09	1.5	M	250 g	6.—	
				500 g	9.75	
				1 kg	17.25	
	CERTIFICATE OF GUARANTEE: Assay of $CaCO_3$. min. 99 % Substances insoluble in hydrochloric acid . . . . . max. 0.005% Chloride (Cl) . . max. 0.02 % Sulfate (SO_4) . . max. 0.01 % Total nitrogen (N) max. 0.01 % Heavy metals (as Pb) . . . . max. 0.001% Iron (Fe) . . . . . max. 0.001% Magnesium (Mg) . max. 0.02 % Strontium (Sr) . . . max. 0.02 % Barium (Ba) . . . max. 0.02 % Sodium (Na) . . . max. 0.005% Potassium (K) . . . max. 0.002%					

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2061	**Calcium carbonate** precipitated **Selectipur®** $CaCO_3$ MW 100.09	2.5	P	5 kg 50 kg	prices on application	
2064	**Calcium carbonate** precipitated extra pure Ph Nord 1963 $CaCO_3$ MW 100.09 TYPE ANALYSIS: Assay of $CaCO_3$ (chelatometric) . . . 99 % Substances insoluble in hydrochloric acid . 0.05 % Chloride (Cl) . . . . 0.02 % Sulfate (SO_4) . . . . 0.04 % Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.002% Strontium, Barium (as Ba) . . . . . 0.05 % Loss on drying (105°C) 1 %	1.9		1 kg 5 kg 50 kg	5.30 20.—	 3.30
2069	**Calcium carbonate** precipitated pure, DAB 7, BP 1968, JP VII, USP XVII, and for removing acidity of wines $CaCO_3$ MW 100.09	2.5	P	1 kg 5 kg 50 kg	4.25 15.25	 2.25
2063	**Calcium carbonate** precipitated, light $CaCO_3$ MW 100.09 TYPE ANALYSIS: Assay of $CaCO_3$ (chelatometric) . 98% Substances insoluble in hydrochloric acid 0.05 % Chloride (Cl) . . 0.05 % Sulfate (SO_4) . . 0.5 % Heavy metals (as Pb) . . . . 0.005% Iron (Fe) . . . . . 0.05 % Cubic weight . . . about 25 (g/100 cm³)	3.5	P	5 kg 50 kg	13.75	 1.50
2062	**Calcium carbonate** heavy, fine powder $CaCO_3$ MW 100.09 TYPE ANALYSIS: Assay of $CaCO_3$ (chelatometric) . 95% Substances insoluble in hydrochloric acid 5 % Chloride (Cl) . . 0.02 % Sulfate (SO_4) . . 0.2 % Heavy metals (as Pb) . . . . 0.005% Iron (Fe) . . . . . 0.1 % Cubic weight . . . about 65 (g/100 cm³)	1.1		9051/50 kg		—.98
	Calcium carbonate see also Marble powder					
5409	**Calcium-caseinate agar** acc. to Frazier and Rupp for microbiology (29 g for 1 litre of culture medium)			29 g 500 g 10 x 500 g	4.50 41.— 38.75	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2072	○	**Calcium chloride 6-hydrate** cryst. extra pure Erg B 6, Ph Ned VI $CaCl_2 \cdot 6\,H_2O$ MW 219.09	1	P	1 kg	4.50	
				P	5 kg	15.75	
					50 kg		1.44
					2 x 50 kg		1.38
2086	○	**Calcium chloride 6-hydrate** cryst. pure $CaCl_2 \cdot 6\,H_2O$ MW 219.09	1.1	P	5 kg	14.75	
					50 kg		1.31
					2 x 50 kg		1.25
2384		**Calcium chloride 4-hydrate Suprapur®** $CaCl_2 \cdot 4H_2O$ MW 183.05	1.1	P	50 g	12.50	
					500 g	88.—	

CERTIFICATE OF GUARANTEE:

Lead (Pb)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Copper (Cu)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Nickel (Ni)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Cobalt (Co)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Iron (Fe)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Zinc (Zn)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Cadmium (Cd)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Aluminium (Al)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Manganese (Mn)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Thallium (Tl)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Barium (Ba)	max. $1 \cdot 10^{-3}$ % (0.1 ppm)
Sodium (Na)	max. $1 \cdot 10^{-3}$ % (0.1 ppm)
Potassium (K)	max. $5 \cdot 10^{-4}$ % (5 ppm)

2382		**Calcium chloride 2-hydrate** cryst. GR $CaCl_2 \cdot 2\,H_2O$ MW 147.02	1.3	P	500 g	4.50	
				P	1 kg	7.10	
				P	5 kg	28.75	

CERTIFICATE OF GUARANTEE:

Assay of $CaCl_2 \cdot 2\,H_2O$	min. 99.5%	Magnesium (Mg)	max. 0.05 %
pH (5% solution)	4.5–6.5	Strontium (Sr)	max. 0.05 %
Sulfate (SO_4)	max. 0.005 %	Barium (Ba)	max. 0.003 %
Total nitrogen (N)	max. 0.005 %	Sodium (Na)	max. 0.005 %
Heavy metals (as Pb)	max. 0.0005%	Potassium (K)	max. 0.01 %
Iron (Fe)	max. 0.0005%	Substances not precipitated by ammonium oxalate (as sulfates)	max. 0.15 %

2381		**Calcium chloride 2-hydrate** cryst. extra pure Erg B 6, JP VI, USP XVII $CaCl_2 \cdot 2\,H_2O$ MW 147.02	1.2	P	1 kg	5.80	
				P	5 kg	21.50	
					50 kg		3.15
					5 x 50 kg		3.05

TYPE ANALYSIS:

Assay of $CaCl_2 \cdot 2\,H_2O$ (chelatometric)	99.7–106%	Heavy metals (as Pb)	0.001 %
Free acid (as HCl)	0.0024%	Iron (Fe)	0.001 %
Free alkali [as $Ca(OH)_2$]	0.0025%	Barium (Ba)	0.08 %
Sulfate (SO_4)	0.005 %	Substances not precipitated by ammonium oxalate (as sulfates)	0.2 %
Total nitrogen (N)	0.005 %		

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2380	**Calcium chloride 2-hydrate** cryst. extra pure $CaCl_2 \cdot 2\,H_2O$ MW 147.02 TYPE ANALYSIS: Assay of $CaCl_2 \cdot 2\,H_2O$ (chelatometric) . . 97 % Free acid (as HCl) . 0.0024% Free alkali [as $Ca(OH)_2$] . . . 0.0025% Sulfate (SO_4) . . . . 0.005 % Total nitrogen (N) . . 0.005 % Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.001 % Barium (Ba) . . . . 0.08 % Substances not precipitated by ammonium oxalate (as sulfates) . . . 0.2 %	1.3	P P P	1 kg 5 kg 50 kg 5 x 50 kg	5.50 20.— 	 2.90 2.80
2083	**Calcium chloride** fused granular for elementary analysis $CaCl_2$ MW 110.99 CERTIFICATE OF GUARANTEE: Assay of $CaCl_2$ (chelatometric) . . min. 98% Free alkali [as $Ca(OH)_2$] . max. 0.5% Substances not precipitated by ammonium oxalate (as sulfates) . . . max. 0.5% Particle size about 0.5–2.0 mm	1	P	100 g 250 g 1 kg	4.50 7.60 21.	
2389	**Calcium chloride** medium-granular for drying $CaCl_2$ MW 110.99	1.9	P 	250 g 1 kg 5 kg	4. 8.75 34.25	
2385	**Calcium chloride** min. 95% $CaCl_2$ coarse-granular pure $CaCl_2$ MW 110.99 TYPE ANALYSIS: Assay of $CaCl_2$ . . . 95 % Free alkali [as $Ca(OH)_2$] 0.1% Substances not precipitated by ammonium oxalate (as sulfates) . . . . . 1% Particle size about 10–20 mm	2	P P P	1 kg 5 kg 50 kg 5 x 50 kg	6.80 25.75 	 3.95 3.80
2386	**Calcium chloride** min. 95% $CaCl_2$ medium-granular pure $CaCl_2$ MW 110.99 TYPE ANALYSIS: Assay of $CaCl_2$ . . . 95 % Free alkali [as $Ca(OH)_2$] 0.1% Substances not precipitated by ammonium oxalate (as sulfates) . . . . . 1% Particle size about 5–15 mm	1.9	P P P	1 kg 5 kg 50 kg 5 x 50 kg	6.80 25.75 	 3.95 3.80

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2387	**Calcium chloride** min. 95% $CaCl_2$ fine-granular pure $CaCl_2$ MW 110.99 TYPE ANALYSIS: Assay of $CaCl_2$ . . . 95 % Free alkali [as $Ca(OH)_2$] 0.1% Substances not precipitated by ammonium oxalate (as sulfates) . . . . . 1% Particle size about 2–8 mm	1.7	P	1 kg 5 kg 50 kg 5 x 50 kg	6.80 25.75	 3.95 3.80
2388	**Calcium chloride** min. 95% $CaCl_2$ powder pure $CaCl_2$ MW 110.99 TYPE ANALYSIS: Assay of $CaCl_2$ . . . . . 95% Free alkali [as $Ca(OH)_2$] . . . 0.1% Substances not precipitated by ammonium oxalate (as sulfates) . . . . . 1% Particle size . . . . . 0.3 mm	1.5	P	1 kg 5 kg 50 kg 5 x 50 kg	6.80 25.75	 3.95 3.80
	Calcium chloride solution see Weltmann's reagent					
	Calcium cyclohexenylethylbarbiturate see Cyclobarbital calcium					
2092	*tri*-**Calcium dicitrate** Erg B 6 $C_{12}H_{10}Ca_3O_{14} \cdot 4\,H_2O$ MW 570.51 TYPE ANALYSIS: Assay of $C_{12}H_{10}Ca_3O_{14} \cdot 4\,H_2O$ (chelatometric) . . 99 % Chloride (Cl) . . . . 0.01 % Sulfate (SO_4) . . . . 0.01 % Heavy metals (as Pb) 0.005 % Arsenic (As) 0.0005%	3		1 kg 5 kg 50 kg	8.50 31.50	 5.10
	Calcium dihydrogen phosphate see Calcium bis(dihydrogen phosphate)					
2842	**Calcium fluoride Suprapur** CaF_2 MW 78.08 CERTIFICATE OF GUARANTEE: Lead (Pb) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Copper (Cu) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Nickel (Ni) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Cadmium (Cd) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Manganese (Mn) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Strontium (Sr) . . . . . max. $5 \cdot 10^{-3}$ % (500 ppm) Barium (Ba) . . . . . max. $1 \cdot 10^{-2}$ % (100 ppm) Lithium (Li) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Sodium (Na) . . . . . max. $1 \cdot 10^{-3}$ % (10 ppm) Potassium (K) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm)	1		50 g 250 g	26.25 189.—	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2841	**Calcium fluoride Optipur®** CaF_2 MW 78.08		P	100 g 1 kg 5 kg	prices on application	
2846	**Calcium fluoride** HP **Optipur®** CaF_2 MW 78.08		P	100 g 1 kg	prices on application	
2845	**Calcium fluoride** granular **Patinal®** particle size less than 1 mm CaF_2 MW 78.08	0.5	P	100 g 1 kg	47.25 price on application	
2844	**Calcium fluoride** granular **Patinal®** particle size about 1–4 mm CaF_2 MW 78.08	0.5	P	100 g 1 kg	47.25 price on application	
2840	**Calcium fluoride** precipitated pure CaF_2 MW 78.08	1.3	P ▬ □	250 g 1 kg 5 kg 50 kg	5.80 15.75 63.—	 11.—
2096	**Calcium formate** extra pure $(HCOO)_2Ca$ MW 130.12 TYPE ANALYSIS: Assay of $(HCOO)_2Ca$ (chelatometric) . . 99.5 % Chloride (Cl) . . . . 0.003 % Heavy metals (as Pb) 0.0005% Iron (Fe) . . . . . 0.0005% Arsenic (As) . . . . 0.0002% Substances not precipitated by ammonium oxalate (as sulfates) . . . 0.1 %	0.8	P ▬ □	1 kg 5 kg 9051/50 kg	8.50 31.50	 5.50
2094	**Calcium gluconate** extra pure, DAB 7, BP 1968, Ph Internat I $C_{12}H_{22}CaO_{14} \cdot H_2O$ MW 448.40 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2	P ▬ □	1 kg 5 kg 50 kg	10.75 42.50	 6.90
2097	**Calcium gluconate** cryst. BP 1968 $C_{12}H_{22}CaO_{14} \cdot H_2O$ MW 448.40	2	P □	500 g 1 kg 5 kg 50 kg	5.30 9.— 36.25	 6.30
2093	**Calcium gluconate** powder BP 1968 $C_{12}H_{22}CaO_{14} \cdot H_2O$ MW 448.40	2	▬ □	1 kg 5 kg 50 kg	9.25 37.75	 6.60

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4110		**Calcium glycerophosphate** soluble $C_3H_7CaO_6P$ MW 210.14	3	250 g 1 kg 5 kg 50 kg	6.30 21.— 98.—	17.25
4111		**Calcium glycerophosphate** neutral DAB 6, BPC 1963, NF X $C_3H_7CaO_6P$ MW 210.14	3	250 g 1 kg 5 kg 50 kg	6.30 21.— 98.—	17.75
2100	•I•	**Calcium hydride** CaH_2 MW 42.10	1.3	50 g 250 g 1 kg	5.80 21.— 79.—	
2146		**Calcium hydrogen phosphate 2-hydrate** pure DAB 7 $CaHPO_4 \cdot 2H_2O$ MW 172.10	1.2	1 kg 5 kg 9051/50 kg	5.25 16.75	2.65
2145		**Calcium hydrogen phosphate 2-hydrate** powder purified $CaHPO_4 \cdot 2H_2O$ MW 172.10	1.2	1 kg 5 kg 9051/50 kg	5.— 14.75	2.05
2144		**Calcium hydrogen phosphate** powder anhydrous pure, suitable as food additive $CaHPO_4$ MW 136.06	1.2	5 kg 9051/50 kg	17.75	3.—
2047		**Calcium hydroxide** GR $Ca(OH)_2$ MW 74.09 CERTIFICATE OF GUARANTEE: Assay of $Ca(OH)_2$ min. 96 % Calcium carbonate ($CaCO_3$) . . . . max. 3 % Substances insoluble in hydrochloric acid . . . . . max. 0.1 % Chloride (Cl) . . max. 0.002% Sulfate (SO_4) . . max. 0.05 % Heavy metals (as Pb) . . . . max. 0.005% Iron (Fe) . . . . max. 0.01 % Substances not precipitated by ammonium oxalate (as sulfates) . max. 2.5 %	2	500 g 1 kg 50 kg	6.— 10.—	5.80
2110		**Calcium hydroxide** powder $Ca(OH)_2$ MW 74.09	2	50 kg		—.91

penta-Calcium hydroxide triphosphate
see *tri*-Calcium phosphate

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4636	**Calcium hypophosphite** extra pure DAB 6, BPC 1963 $Ca(H_2PO_2)_2$ MW 170.06	1.4	P	500 g 1 kg 5 kg 50 kg	8.25 15.25 70.— price on application	
2098	**Calcium iodide** $CaI_2 \cdot 4\,H_2O$ MW 365.95 TYPE ANALYSIS: Assay of $CaI_2 \cdot 4\,H_2O$ . . . 99 % Chloride and bromide (as Cl) . . . . . 0.03 % Thiosulfate (S_2O_3) . 0.1 % Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.0005% Substances not precipitated by ammonium oxalate (as sulfates) . . . 0.3 %	0.9		100 g 500 g 5 kg	5.50 19.50 158.—	
2103	**Calcium lactate** for soil tests $C_6H_{10}CaO_6 \cdot 5\,H_2O$ MW 308.30 CERTIFICATE OF GUARANTEE: Assay of $C_6H_{10}CaO_6 \cdot 5\,H_2O$ (chelatometric) . . . 70–75% Water (acc. to Karl Fischer) . . . . 25–30% Phosphate (PO_4) max. 0.002% Potassium (K) . max. 0.005%	2		250 g 1 kg 5 kg 25 kg	9.— 28.50 126.—	21.—
2102	**Calcium lactate** soluble DAB 7, BP 1968, NF XI $C_6H_{10}CaO_6 \cdot 5\,H_2O$ MW 308.30	2.2		1 kg 5 kg 50 kg	8.— 31.50	5.—
2851	**Calcium levulinate** NF X $C_{10}H_{14}CaO_6 \cdot 2\,H_2O$ MW 306.33 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2.1		1 kg 5 kg 50 kg	32.50 142.—	25.—
2850	**Calcium levulinate** $C_{10}H_{14}CaO_6 \cdot 2\,H_2O$ MW 306.33	2.1		1 kg 5 kg 50 kg	30.50 131.—	23.75

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2121	**Calcium nitrate** GR $Ca(NO_3)_2 \cdot 4\,H_2O$ MW 236.15 CERTIFICATE OF GUARANTEE: Assay of $Ca(NO_3)_2 \cdot 4\,H_2O$ min. 98% pH [5% solution (20° C)] . . . . 4–6 Chloride (Cl) . . max. 0.003% Sulfate (SO_4) . . max. 0.005% Heavy metals (as Pb) . . . . max. 0.001% Iron (Fe) . . . . max. 0.001% Barium (Ba) . . max. 0.005% Ammonium (NH_4) max. 0.005% Substances not precipitated by ammonium oxalate (as sulfates) . max. 0.2 %	1	P	500 g 1 kg	5.— 8.50	
2120	**Calcium nitrate** cryst. extra pure $Ca(NO_3)_2 \cdot 4\,H_2O$ MW 236.15 TYPE ANALYSIS: Assay of $Ca(NO_3)_2 \cdot 4\,H_2O$ (chelatometric) . . . 98% pH [5% solution (20°C)] . . . . . 4–6 Chloride (Cl) . . . . 0.005% Sulfate (SO_4) . . . . 0.02 % Heavy metals (as Pb) . 0.002% Iron (Fe) . . . . . 0.001% Ammonium (NH_4) . . 0.005% Substances not precipitated by ammonium oxalate (as sulfates) . . . . 0.3 %	0.9	P □	1 kg 5 kg 50 kg 5 x 50 kg	5.25 19.— 	 2.40 2.25
2109	**Calcium oxide** from marble (LAB) CaO MW 56.08 TYPE ANALYSIS: Assay of CaO (acidimetric) . . . . 97 % Assay of $CaCO_3$ . . . 1 % Substances insoluble in hydrochloric acid . . 0.1 % Chloride (Cl) . . . . . 0.05 % Sulfate (SO_4) . . . . . 0.5 % Heavy metals (as Pb) . 0.005% Iron (Fe) . . . . . 0.03 % Substances not precipitated by ammonium oxalate (as sulfates) . . . . 3 %	1	P	500 g 1 kg	5.— 7.25	
2112	**Calcium oxide** from marble, small lumps DAB 6 CaO MW 56.08 TYPE ANALYSIS: Assay of CaO (acidimetric) . . . . . 95% Substances insoluble in hydrochloric acid . . . 0.1%	1.2	▭	1 kg 5 kg	5.— 16.50	
2107	**Calcium oxide** from marble DAB 6 CaO MW 56.08 TYPE ANALYSIS: Assay of CaO (acidimetric) . . . . . 95% Substances insoluble in hydrochloric acid . . . 0.1%	1.2	▯	50 kg		1.65

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2316	**Calcium** D(+)**pantothenate** for biochemistry (LAB) $C_{18}H_{32}CaN_2O_{10}$ MW 476.54 TYPE ANALYSIS: Assay (on dried substance) Ca 8.2–8.6%, N 5.7–6.0% Specific rotation ($[\alpha]_D^{25}$°; c = 5, water) +25.0 to +27.5° Chloride (Cl) . . . . 0.05 % Sulfate (SO_4) . . . . 0.05 % Heavy metals (as Pb) . 0.002% Loss on drying (105°C) 3 %	5	P 10 g	4.50	
500157	**Calcium** D(+)**pantothenate** DAB 7, IP 1966, USP XVII $C_{18}H_{32}CaN_2O_{10}$ MW 476.54 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.8	P 100 g 1 kg 5 kg 25 kg 50 kg	prices on application	
501404	**Calcium** D(+)**pantothenate concentrate** about 33%, for dry pharmaceutical preparations, spray-dried		1 kg 5 kg		
500056	**Calcium** DL-**pantothenate** feed grade	1.5	1 kg 5 kg 25 kg 50 kg		
2143	*tri*-**Calcium phosphate** (*penta*-calcium hydroxide triphosphate) dry pure BPC 1968 $Ca_5(PO_4)_3(OH)$ MW 502.32	2.7	1 kg 5 kg 9026/25 kg	7.10 25.25	4.15

Calcium phosphate dibasic
see Calcium hydrogen phosphate

Calcium phosphate monobasic
see Calcium bis(dihydrogen phosphate)

Calcium phosphate tribasic see *tri*-Calcium phosphate

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2148	**Calcium D-saccharate** extra pure $C_6H_8CaO_8 \cdot 4\,H_2O$ MW 320.27 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.9	P P	250 g 1 kg	13.25 46.25	
2150	**Calcium salicylate** cryst. $C_{14}H_{10}CaO_6 \cdot 2\,H_2O$ MW 350.34	1.6	 	1 kg 50 kg	14.75 price on application	
2152	**Calcium silicate**	7	P P 	1 kg 5 kg 9021/20 kg	6.80 25.25	 3.95
	Calcium standard solution for German degrees of hardness see **Titrisol®** page 715					
2154	**Calcium stearate** $C_{36}H_{70}CaO_4$ MW 607.04	6.5	P 	1 kg 20 kg	7.50	 4.45
2153	**Calcium stearate "P"** $C_{36}H_{70}CaO_4$ MW 607.04	6.5	P 	1 kg 9021/20 kg	7.50	 4.15
2161	**Calcium sulfate** precipitated GR $CaSO_4 \cdot 2\,H_2O$ MW 172.17 CERTIFICATE OF GUARANTEE: Assay of $CaSO_4 \cdot 2\,H_2O$. min. 99% Substances insoluble in hydrochloric acid . . . . . max. 0.02 % Free acid (as H_2SO_4) . . max. 0.01 % Free alkali [as $Ca(OH)_2$] . max. 0.01 % Chloride (Cl) . . max. 0.005% Carbonate (CO_2) max. 0.005% Iron (Fe) . . . . max. 0.001% Substances not precipitated by ammonium oxalate (as sulfates) . max. 0.3 % Residue on ignition (700° C) 78.5–79.5%	1.5	P 	250 g 1 kg	5.— 14.—	
2160	**Calcium sulfate** precipitated powder $CaSO_4 \cdot 2\,H_2O$ MW 172.17 TYPE ANALYSIS: Residue on ignition (700° C) . . . . about 79% Free acid (as H_2SO_4) . . . . 0.01 % Free alkali [as $Ca(OH)_2$] . . . 0.01 % Chloride (Cl) . . . . 0.025% Iron (Fe) 0.002%	1.6	 	1 kg 5 kg 9051/50 kg	6.60 25.25	 3.70

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2162	**Calcium sulfate** dried DAB 6 $CaSO_4 \cdot 0.5\,H_2O$ MW 145.15	1.4	5 kg 9051/50 kg	10.—	1.25
2125	**Calcium thioglycollate 3-hydrate** $C_2H_2CaO_2S \cdot 3\,H_2O$ MW 184.23	2	1 kg 50 kg	22.—	14.40
8422	**Calcium Titriplex®** pure (disodium calcium salt of ethylenediaminetetraacetic acid) $C_{10}H_{12}CaN_2Na_2O_8 \cdot 6\,H_2O$ MW 482.37	1.7	100 g 500 g	5.25 18.50	
2165	**Calcium tungstate** luminescent 5–25 µ $CaWO_4$ MW 287.93	0.4	250 g 1 kg	33.— 117.—	
4594	**Calcon®** [2-hydroxy-1-(2-hydroxy-1-naphthylazo) naphthalene-4-sulfonic acid sodium salt] metal (pM) indicator $C_{20}H_{13}N_2NaO_5S$ MW 416.39	2	5 g 25 g 100 g	4.— 7.50 22.—	
4595	**Calconcarboxylic acid** [2-hydroxy-1-(2-hydroxy-4-sulfo-1-naphthylazo)-naphthalene-3-carboxylic acid] metal (pM) indicator $C_{21}H_{14}N_2O_7S \cdot 3\,H_2O$ MW 492.46	2.5	5 g 25 g	8.— 27.50	
2311	**Calmagite** metal (pM) indicator	2	5 g	11.50	

Calomel see Mercury(I) chloride

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
9656	*d*(+)**Camphor** reference substance for gas chromatography $C_{10}H_{16}O$ MW 152.24	5	5 g	15.75	
2166	*d*(+)**Camphor*** refined powder DAB 7, BP 1963, Ph Internat I $C_{10}H_{16}O$ MW 152.24	2.2	250 g 1 kg 5 kg 25 kg	11.50 37.75 163.— price on application	
2170	*dl*-**Camphor*** synthetic powder DAB 7, BP 1963 $C_{10}H_{16}O$ MW 152.24	2.5	500 g 1 kg 5 kg 25 kg	5.80 10.50 40.—	6.80
	* Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.				
	Camphor monobromated see Bromocamphor				
194	*dl*-**Camphoric acid** $C_{10}H_{16}O_4$ MW 200.24	1.6	100 g 1 kg 5 kg 25 kg	7.— 50.— 220.—	40.—
195	*d*-**Camphoric acid** cryst. $C_{10}H_{16}O_4$ MW 200.24	1.6	100 g 1 kg 5 kg 25 kg	9.— 66.— 294.— price on application	
196	*d*-**Camphorsulfonic acid** $C_{10}H_{16}O_4S \cdot H_2O$ MW 250.32	1.5	100 g 5 kg 25 kg	8.25 273.— price on application	
2155	*d*-**Camphorsulfonic acid calcium salt** $C_{20}H_{30}CaO_8S_2 \cdot x\,H_2O$ MW (anhydrous) 502.67	1.3	250 g 5 kg	18.— 273.—	
6374	*d*-**Camphorsulfonic acid sodium salt** BPC 1949 $C_{10}H_{15}NaO_4S$ MW 254.28	1.6	1 kg 5 kg 25 kg	58.— 263.— price on application	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1691	•I• *	**Canada balsam** for microscopy 1 l = 0.98 kg		25 ml 100 ml	7.— 20.—	
1689		**Canada balsam** ductile optically pure for microscopy	1.2	plastic container 100 g 5x100 g	 26.25 25.25	
1686		**Canada balsam** ductile optically pure	1.2	**plastic container** **100 g** **5x100 g**	 **27.25** **26.25**	
1698		**Canada balsam** glass-hard optically pure for microscopy	1.2	plastic container 100 g 5x100 g	 26.25 25.25	
1687		**Canada balsam** glass-hard optically pure	1.2	**plastic container** **100 g** **5x100 g**	 **27.25** **26.25**	
1693	•I• *	**Canada balsam** glass-hard dissolved in xylene (2 + 1) for microscopy 1 l = 0.98 kg		25 ml 100 ml	7.50 22.—	
1684	•I•	**Canada balsam** synthetic (Rhenohistol®) for microscopy 1 l = 1.02 kg		101 100 ml 501/500 ml	4.25 13.25	
		Canada balsam synthetic see also Caedax®				
		Cane sugar see Sucrose				
2175		**Cantharidin** cryst. B Vet C 1953 $C_{10}H_{12}O_4$ MW 196.20		**0.5 g** **1 g** **5 g**	6.30 11.— 44.25	
3211	•I•	**Capraldehyde** for synthesis (ORG) $C_{10}H_{20}O$ MW 156.27 1 l = 0.84 kg		100 ml	14.25	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2169		**Capric acid** for synthesis (ORG) $C_{10}H_{20}O_2$ MW 172.27	1.5		1 kg	13.25	
2172		**Capric acid** for biochemistry (LAB) $C_{10}H_{20}O_2$ MW 172.27	1.5		5 g 25 g	5.25 23.75	
		Capric alcohol see 1-Decanol					
2182	•|•	**Capric chloride** for synthesis (ORG) $C_{10}H_{19}ClO$ MW 190.72	1 l = 0.93 kg		100 ml	11.50	
2672	•|•	**Caproaldehyde** for synthesis (ORG) $C_6H_{12}O$ MW 100.16	1 l = 0.82 kg		100 ml	5.80	
197		**Caproic acid** for biochemistry (LAB) $C_6H_{12}O_2$ MW 116.16	1 l = 0.93 kg		100 ml 250 ml	5.50 12.75	
198		**Caproic acid** for synthesis (ORG) $C_6H_{12}O_2$ MW 116.16	1 l = 0.93 kg		250 ml 1 l	7.50 25.75	
2800		ε-**Caprolactam** for synthesis (ORG) $C_6H_{11}NO$ MW 113.16	1.5		500 g	9.90	
2801		ε-**Caprolactone** for synthesis (ORG) $C_6H_{10}O_2$ MW 114.15	1 l = 1.03 kg		250 ml	15.—	
		iso-Capronic acid see 4-Methylvaleric acid					
2557	•|•	**Capronitrile** for synthesis (ORG) $C_6H_{11}N$ MW 97.16	1 l = 0.80 kg		25 ml	10.50	
191		**Caproyl chloride** for synthesis (ORG) $C_6H_{11}ClO$ MW 134.61	1 l = 0.97 kg		250 ml	34.—	
		Capryl acrylate see Octyl acrylate					
6901	•|•	**Caprylaldehyde** for synthesis (ORG) $C_8H_{16}O$ MW 128.22	1 l = 0.82 kg		100 ml	11.25	
		Caprylamine see Octylamine					

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
193	*	**Caprylic acid** for biochemistry (LAB) $C_8H_{16}O_2$ MW 144.22	1 l = 0.91 kg		100 ml 250 ml	5.80 12.75	
192	*	**Caprylic acid** for synthesis (ORG) $C_8H_{16}O_2$ MW 144.22	1 l = 0.91 kg		500 ml 1 l	6.— 9.75	
205	•|•	**Caprylonitrile** for synthesis (ORG) $C_8H_{15}N$ MW 125.22	1 l = 0.82 kg		100 ml	21.—	
199	•|•	**Caprylyl chloride** for synthesis (ORG) $C_8H_{15}ClO$ MW 162.66	1 l = 0.94 kg		500 ml	17.50	
2179		**Capsaicin** $C_{18}H_{27}NO_3$ MW 305.42	3		1 g	13.25	
		Capsicum extract see Extract of capsicum					
		Carbachol see Carbamoylcholine hydrochloride					
500940		**Carbamoylcholine hydrochloride** BP 1968, USP XVII $C_6H_{15}ClN_2O_2$ MW 182.65 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.5	P	100 g 1 kg 5 kg	25.— 239.— 900.—	
		1-(Carbazoylmethyl)-pyridinium chloride see Girard's reagent P					
		Carbazoylmethyltrimethylammonium chloride see Girard's reagent T					
		Carbo-benzoxy-amino acids and derivatives see Benzyloxycarbonyl derivatives					
		Carbobenzoxy chloride solution see Benzyl chloroformate solution					

		Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Carbohydrate test leaflets for bacteriology	30 leaflets	150 leaflets (5 x 30)	
5460	**Adonitol**	26.25	105.—	
5481	L(+)**Arabinose**	10.50	42.—	
5482	**Dulcitol**	6.30	25.25	
5463	D(−)**Fructose** (levulose)	6.30	25.25	
5484	D(+)**Galactose**	6.30	25.25	
5474	D(+)**Glucose**	6.30	25.25	
5465	**Glycerol**	6.30	25.25	
5486	*meso*-**Inositol**	6.30	25.25	
5487	**Inulin**	6.30	25.25	
5476	D(+)**Lactose**	6.30	25.25	
5477	D(+)**Maltose**	6.30	25.25	
5478	D(−)**Mannitol**	6.30	25.25	
5488	D(+)**Mannose**	10.50	42.—	
5489	**Raffinose**	8.40	33.75	
5490	L(+)**Rhamnose**	10.50	42.—	
5491	**Salicin**	8.40	33.75	
5492	D(−)**Sorbitol**	6.30	25.25	
5470	**Sucrose**	6.30	25.25	
5493	D(+)**Trehalose**	21.—	84.	
5494	D(+)**Xylose**	6.30	25.25	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
		Carbol fuchsin solution see Ziehl-Neelsen carbol fuchsin solution				
		Carbol gentian violet solution see Gram's carbol gentian-violet solution				
		Carbolic acid see Phenol				
9220	•|•	**Carbol xylene** for microscopy	1 l = 0.91 kg	250 ml 1 l 2½ l	4.75 11.— 21.—	
		Carbon detergent solution see Coal tar solution				
		Carbon dichloride see Tetrachloroethylene				
2214	•|•	**Carbon disulfide** GR CS_2 MW 76.14 CERTIFICATE OF GUARANTEE: Assay (gas chromatographic) . . . min. 99.9% Sulfite (SO_2) . max. 0.001 % Sulfate (SO_4) . max. 0.00025% Hydrogen sulfide and foreign organic sulfur compounds (as S) . . . . max. 0.0001 % Non-volatile substances . max. 0.001 % Water . . . . . max. 0.01 %	1 l = 1.26 kg	500 ml 1 l 5 l	5.50 9.— 40.—	
2210	•|•	**Carbon disulfide** for spectroscopy **Uvasol®** CS_2 MW 76.14 CERTIFICATE OF GUARANTEE: Suitability for IR and NMR spectroscopy passes test	1 l = 1.26 kg	500 ml 1 l	8.— 13.25	
2212	•|•	**Carbon disulfide** purified FU VI CS_2 MW 76.14	1 l = 1.26 kg	1 l 5 l	8.— 35.—	
2211	•|•	**Carbon disulfide** purified CS_2 MW 76.14	1 l = 1.26 kg	1 l 5 l	7.— 30.—	

	Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2208 •|• **Carbon tetrachloride** (for determinations with dithizone) GR			
CCl_4 MW 153.82	1 l = 1.59 kg		
500 ml		5.50	
1 l		9.—	
2½ l		17.50	
2222 •|• **Carbon tetrachloride** GR			
CCl_4 MW 153.82	1 l = 1.59 kg		
500 ml		4.50	
1 l		7.50	
2½ l		16.50	
standard box			
15 x 1 l	1 l	7.10	
8 x 15 x 1 l	1 l	6.90	
8 x 2½ l	2½ l	15.50	
8 x 8 x 2½ l	2½ l	15.—	
50 kg			3.30
2209 •|• **Carbon tetrachloride** for spectroscopy **Uvasol**®			
CCl_4 MW 153.82	1 l = 1.59 kg		
500 ml		8.75	
1 l		15.50	
2½ l		36.50	

CERTIFICATE OF GUARANTEE:

Assay (gas chromatographic)	min. 99.8%	Tetrachloroethylene	max. 0.05 %
Non-volatile substances	max. 0.001 %	Carbon disulfide (CS_2)	max. 0.001 %
Free acid (as HCl)	max. 0.0002 %	Iodine reducing substances (as HCHO)	max. 0.0002 %
Chlorine (Cl)	max. 0.0001 %	Readily-carbonisable substances	passes test
Chloride (Cl)	max. 0.0001 %	Water	max. 0.02 %
Lead (Pb)	max. 0.000005%	Suitability for determinations with dithizone	passes test
Copper (Cu)	max. 0.000001%		
Iron (Fe)	max. 0.00001 %		
Zinc (Zn)	max. 0.000005%		
Chloroform	max. 0.05 %		
Trichloroethylene	max. 0.05 %		

CERTIFICATE OF GUARANTEE:

Assay (gas chromatographic)	min. 99.8%	Carbon disulfide (CS_2)	max. 0.001 %
Free acid (as HCl)	max. 0.0002 %	Iodine reducing substances (as HCHO)	max. 0.0002 %
Chlorine	max. 0.0001 %	Readily-carbonisable substances	passes test
Iron (Fe)	max. 0.00001%	Water	max. 0.02 %
Chloroform	max. 0.05 %	Non-volatile substances	max. 0.001 %
Trichloroethylene	max. 0.05 %		
Tetrachloroethylene	max. 0.05 %		

CERTIFICATE OF GUARANTEE:

Suitability for UV spectroscopy (1-cm cell; reference : water)

Transmittance at

265 nm	min. 20%
270 nm	min. 50%
280 nm	min. 85%
300 nm	100%

Suitability for IR and NMR spectroscopy passes test

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2224	•|•	**Carbon tetrachloride Selectipur®** CCl_4 MW 153.82 1 l = 1.59 kg			2½ l 50 kg	prices on application	
2221	•|•	**Carbon tetrachloride** extra pure (max. 0.001% carbon disulfide) Erg B 6, Cod Franç 1965, NF XI CCl_4 MW 153.82 1 l = 1.59 kg TYPE ANALYSIS: Assay (gas chromatographic) . . . . 99% d 20°/4° . . . . . 1.593–1.595 Refractive index ($n_D^{20°}$) . . . . . 1.460–1.461 Boiling-range . . . 76–77° C Carbon disulfide (CS_2) 0.001% Non-volatile substances . . . . . 0.001% Water (acc. to Karl Fischer) . . . 0.02 %			1 l 2½ l 60 kg	6.50 14.—	2.75
2220	•|•	**Carbon tetrachloride** pure CCl_4 MW 153.82 1 l = 1.59 kg			1 l 2½ l 60 kg	6.25 13.50	2.65
2301		**1,1'-Carbonyldiimidazole** for synthesis (LAB) $C_7H_6N_4O$ MW 162.15	3.5		5 g 25 g	11.50 50.—	
2626	•|•	***N*-Carbonylsulfamoyl chloride** for synthesis (LAB) $CClNO_3S$ MW 141.53 1 l = 1.63 kg			100 ml	33.—	
		[(Carboxymethyl)imino]bis(ethylenenitrilo)tetraacetic acid see **Titriplex®** V					
		2-Carboxypyridine see 2-Pyridinecarboxylic acid					
2233		**Carmine** (C. I. No. 75 470, S. No. 1381) for microscopy	2.5		5 g 25 g	5.50 21.—	
9291		**Carmine azurol** colour reagent acc. to Kühnel for microscopy 1 l = 1.06 kg			250 ml 1 l	6.30 16.75	
211		**Carminic acid** (C. I. No. 75 470, S. No. 1381) GR and for microscopy $C_{22}H_{20}O_{13}$ MW 492.40	2.5		1 g 5 g	10.25 39.—	
		Carmoisine see Azorubine					

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
11368	**DL-Carnitine hydrochloride** (vitamin B_T) $C_7H_{16}ClNO_3$ MW 197.66 TYPE ANALYSIS: Assay (on dried substance) . . . 99% Melting-range . . . 196–199° C Sulfated ash . . . 0.05 % Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.001% Loss on drying (105° C) . . . . . 0.5 %	2	100 g 1 kg	prices on application	
2236	**β-Carotene** synthetic for biochemistry (LAB) $C_{40}H_{56}$ MW 536.89 TYPE ANALYSIS: Assay (spectrophotometric) . . . . . 97% Relative extinctions in cyclohexane E 340 nm : E 456 nm . . . . . 0.080 E 473 nm : E 456 nm . . . . . 0.770–0.810 E 484 nm : E 456 nm . . . . . 0.840–0.880 Melting-point . . . . . 178–184 °C Heavy metals (as Pb) . . . . . 0.002% Sulfated ash . . . . . 0.1 %	2.5	1 g	4.—	
2234	**β-Carotene** synthetic $C_{40}H_{56}$ MW 536.89	2.5	100 g aluminium bottle 1 kg	prices on application	
2244	**Casein** for biochemistry (LAB) TYPE ANALYSIS: Assay of nitrogen . . . 14 % Fat . . . . . 0.2% Loss on drying (105°C) . 6 % Sulfated ash 1.5%	3.5	25 g	16.25	
4009	**α-Casein** for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.		5 g	85.—	
2242	**Casein** acc. to Hammarsten	3.8	100 g 250 g 1 kg 5 kg	6.80 14.25 47.25 215.—	
2241	**Casein** soluble in alkali	1.7	1 kg 5 kg 9026/25 kg	11.75 48.75	9.50
2240	**Casein** for dietary vitamin deficiency	3.3	100 g 500 g	7.50 27.50	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2245	**Casein hydrolysate** (acid hydrolysed) for microbiology	1.6	P	100 g 4.75 500 g 15.25	
2238	**Casein hydrolysate** (acid hydrolysed) vitamin-free for microbiology	1.3	P	100 g 5.80 500 g 22.—	
2239	**Casein hydrolysate** (pancreatic) free from sulfonamide antagonists, for microbiology	1.9	P	100 g 5.80 500 g 22.—	
5456	**Casein-peptone cystine phenol-red agar** for microbiology (29.5 g for 1 litre of culture medium)	2		0030/29.5 g 3.75 500 g 28. 10 x 500 g 26.—	
	Casein-peptone glucose yeast-extract agar see Count agar				
5457	**Casein-peptone phenol-red agar** for microbiology (23.5 g for 1 litre of culture medium)	2		0024/23.5 g 3.75 500 g 33.— 10 x 500 g 31.—	
5458	**Casein-peptone soybean-meal-peptone agar** for microbiology (38 g for 1 litre of culture medium)	1.8		38 g 4.25 500 g 28.50 10 x 500 g 27.—	
5459	**Casein-peptone soybean-meal-peptone broth** for microbiology (30 g for 1 litre of culture medium)	1.7		30 g 3.50 500 g 26.50 10 x 500 g 25.—	

			Volume			Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
						DM	DM
5183	○	**Catalase** (bacterial) 550 U/mg for biochemistry (LAB) This item has to be stored in a refrigerator. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	1.5			69.—	
5184	○	**Catalase** (bacterial) lyophilised 2000 U/mg for biochemistry (LAB) This item has to be stored in a refrigerator. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	1		1 g	17.50	
5182		**Catalase** (bacterial) 14000 units/g	1.5		100 g	189.—	
5185	○	**Catalase** (bacterial) 50 000 units/g This item has to be stored in a refrigerator. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	3		10 g	105.—	

Catalyst for hydrogenation see
- Cobalt aluminium alloy (Raney cobalt)
- Copper-chromium oxide
- Nickel aluminium alloy (Raney nickel)
- Palladium-barium sulfate
- Palladium-calcium carbonate
- Palladium-charcoal activated
- Palladium(II) oxide
- Platinum-charcoal activated
- Platinum(IV) oxide

BTS catalyst see page 123

Catechol see Pyrocatechol

Cation exchangers see Ion exchangers I and IV

CBZ amino acids see *N*-Benzyloxycarbonyl ...

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4363	**Cedukol**® for histology (Cedukol is a collodion wool moistened with ethanol, alcohol content about 30%)		60 g	6.30	
2352	D-**Cellobiose** for biochemistry (LAB) $C_{12}H_{22}O_{11}$ MW 342.30	2	5 g 25 g	14.25 66.—	
	Cellosolve see Ethylene glycol monoethyl ether				
	Methylcellosolve see Ethylene glycol monomethyl ether				
2312	**Cellulase** 20 mU/mg for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	1.7	5 g	53.—	
2313	**Cellulase** salt-free 90 m-U/mg for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	3	0.5 g	47.25	
2329	**Cellulase** 2000 units/g	2.5	25 g	15.75	
	Cellulose for thin layer chromatography				
2330	**Cellulose** microcrystalline for thin layer chromatography $(C_6H_{10}O_5)_n$	3	501/500 g 2501 2½ kg 25 kg	19.— 80.—	26.25
2336	**PEI-cellulose** (polyethylene-imine impregnated cellulose) for thin layer chromatography	3	100 g 500 g	12.75 53.—	

		Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	TLC plates Cellulose*			
16/0025	**TLC plates Cellulose** (without fluorescent indicator) pre-coated 20 cm x 20 cm layer thickness 0.10 mm	pack of 25 plates	25.—	
		10 packs	24.—	
		25 packs	23.—	
30/0050	**TLC plates Cellulose** (without fluorescent indicator) pre-coated 10 cm x 20 cm layer thickness 0.10 mm	pack of 50 plates	52.—	
		10 packs	50.—	
		25 packs	48.—	
718/0025	**TLC plates Cellulose F** pre-coated 20 cm x 20 cm layer thickness 0.10 mm	pack of 25 plates	35.—	
		10 packs	34.—	
		25 packs	33.—	
728/0050	**TLC plates Cellulose F** pre-coated 10 cm x 20 cm layer thickness 0.10 mm	pack of 50 plates	52.—	
		10 packs	50.—	
		25 packs	48.—	
725/0025	**TLC plates PEI-cellulose F** pre-coated 20 cm x 20 cm layer thickness 0.10 mm	pack of 25 plates	35.—	
		10 packs	34.—	
		25 packs	33.—	
	TLC Aluminium sheets*			
552 0025	**TLC Aluminium sheets Cellulose** (without fluorescent indicator) pre-coated 20 cm x 20 cm layer thickness 0.10 mm	pack of 25 sheets	23.—	
		10 packs	22.—	
		25 packs	21.—	
563 0001	**TLC Aluminium rolls Cellulose** (without fluorescent indicator) pre-coated 500 cm x 20 cm, layer thickness 0.10 mm	1 roll	20.—	
		10 rolls	19.—	
		25 rolls	18.—	

* In the case of pre-coated items for TLC and PLC the designations "G", "H" or "P" used after the adsorbents in their powder form are dispensed with. The coatings of the items (plates, aluminium foil, plastic sheets) consist of the same basic material as the corresponding adsorbents in powder form. Addition of gypsum is not necessary; the abrasion-resistance of all the pre-coated items is achieved by means of small amounts of an inert and at the same time highly effective binder. The letter "F" indicates the presence of a fluorescent indicator; the figures in the subcripts give the wavelength at which these indicators fluoresce.

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Cellulose for column chromatography					
2331	**Cellulose** microcrystalline for column chromatography $[C_6H_{10}O_5]_n$	3		501 500 g 2501/2½ kg 25 kg	14.50 62.—	20.—
2305	**Cellulose monoacetate** for column chromatography			250 g 1 kg	25.— 90.—	
3198	**ECTEOLA-cellulose** for column chromatography			250 g 1 kg	50.— 180.—	
2337	**PEI-cellulose** (polyethylene-imine impregnated cellulose) for column chromatography	3		100 g 500 g	11.75 47.75	
5267	**Cereus-selective agar** acc. to Mossel for microbiology (43 g for 1 litre of culture medium)	1.9		43 g 500 g 10 x 500 g	4.50 27.50 26.—	
	Cerium(IV) ammonium nitrate see Ammonium cerium(IV) nitrate					
	Cerium(IV) ammonium sulfate see Ammonium cerium(IV) sulfate					
2270	**Cerium(III) chloride** GR $CeCl_3 \cdot 7\,H_2O$ MW 372.59 CERTIFICATE OF GUARANTEE: Assay of $CeCl_3 \cdot 7\,H_2O$ (chelatometric) . min. 98.5 % Sulfate (SO_4) . . max. 0.01 % Heavy metals (as Pb) . . . . max. 0.002% Iron (Fe) . . . . max. 0.001% Yttrium (Y) . . . . max. 0.02 % Lanthanum (La) . max. 0.05 % Praseodymium (Pr) max. 0.02 % Neodymium (Nd) . max. 0.02 % Samarium (Sm) . . max. 0.02 % Europium (Eu) . . max. 0.02 % Dysprosium (Dy) . max. 0.02 % Holmium (Ho) . . max. 0.02 % Erbium (Er) . . . max. 0.02 % Thulium (Tm) . . max. 0.02 %	0.9		100 g 250 g 1 kg	14.75 33.75 121.—	
2266	**Cerium fluoride** tablets **Patinal**® one tablet about 0.6 g			100 g 1 kg	116.— price on application	
2271	**Cerium(III) nitrate** cryst. extra pure $Ce(NO_3)_3 \cdot 6\,H_2O$ MW 434.23 TYPE ANALYSIS: Assay of $Ce(NO_3)_3 \cdot 6\,H_2O$ (chelatometric) 98.5 % Chloride (Cl) . . 0.003% Heavy metals (as Pb) . . . . 0.002% Iron (Fe) . . . . 0.001% Yttrium (Y) about 0.04 % Lanthanum (La) about 0.2 % Praseodymium (Pr) about 0.01% Neodymium (Nd) . about 0.02% Samarium (Sm) . . about 0.02% Europium (Eu) . . about 0.04% Dysprosium (Dy) . about 0.04% Holmium (Ho) . . about 0.02% Erbium (Er) . . . . about 0.2 % Thulium (Tm) . . . about 0.02% Ytterbium (Yb) . . about 0.2 %	0.8		100 g 250 g	14.75 33.75	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2265		**Cerium(IV) oxide** tablets **Patinal®** one tablet about 1.5 g CeO_2 MW 172.12			100 g 1 kg	105.— price on application	
2264		**Cerium(IV) oxide** anhydrous (commercial grade) TYPE ANALYSIS: Assay of CeO_2 . . . . 45–50 % Sulfate (SO_4) . . . . 0.01 % Heavy metals (as Pb) . 0.01 % Iron (Fe) . . . . . 0.05 % Lanthanum (as La_2O_3) . . . about 20% Praseodymium (as Pr_2O_3) . . . about 5% Neodymium (as Nd_2O_3) . . . about 20% Samarium (as Sm_2O_3) . . . about 5% Loss on ignition (700°C) 3%	1	P	100 g 250 g	6.30 14.25	
2263		**Cerium(IV) oxide** 1–2 mm for elementary analysis CeO_2 MW 172.12		P	100 g	17.50	
2274		**Cerium(IV) sulfate** GR $Ce(SO_4)_2 \cdot 4\,H_2O$ MW 404.30 CERTIFICATE OF GUARANTEE: Assay of $Ce(SO_4)_2 \cdot 4\,H_2O$ (oxidimetric) . min. 98% Substances insoluble in dilute sulfuric acid . . . . . max. 0.005% Chloride (Cl) . . max. 0.001% Phosphate (PO_4) max. 0.01 % Heavy metals (as Pb) . . . . max. 0.005% Iron (Fe) . . . . max. 0.005%	1.4	P	25 g 100 g 250 g	5.80 16.50 39.—	
2267		**Cerium(IV) sulfate** extra pure $Ce(SO_4)_2 \cdot 4\,H_2O$ MW 404.30 TYPE ANALYSIS: Assay of $Ce(SO_4)_2 \cdot 4\,H_2O$ (oxidimetric) . . . . 98% Chloride (Cl) . . . . . 0.003% Heavy metals (as Pb) . 0.008% Iron (Fe) . . . . . 0.01 %	1.1	P	100 g 250 g 1 kg	13.75 31.50 111.—	
9092	*	**0.1 N Cerium(IV) sulfate solution**			1 l	17.25	
		Cerussa see Lead(II) hydroxide carbonate					
2046	•|•	**Cesium Selectipur®** Cs AW 132.91			5 g	price on application	
2043	•|•	**Cesium** (high-vacuum-packed) Cs AW 132.91 TYPE ANALYSIS: Assay . . . . . 99.98 % Chloride (Cl) . . . . 0.005 % Heavy metals (as Pb) . 0.001 % Iron (Fe) . . . . . 0.0005% Aluminium (Al) . . . . 0.0005% Calcium (Ca) . . . . . 0.001% Magnesium (Mg) . . . . 0.002% Sodium (Na) . . . . . 0.005% Potassium (K) . . . . . 0.001% Rubidium (Rb) 0.003%			0.1 g 0.5 g 5 g	5.— 9.25 58.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2048	**Cesium acetate Suprapur®** $C_2H_3CsO_2$ MW 191.95		(P)	25 g 250 g	34.25 289.—

CERTIFICATE OF GUARANTEE:
The substance is suitable for density gradient centrifugation

$[E^{50\%}_{1\,cm}]$ 260 nm max. 0.04

Chloride (Cl)	max. $5 \cdot 10^{-3}$ % (50 ppm)
Sulfate (SO_4)	max. $5 \cdot 10^{-3}$ % (50 ppm)
Lead (Pb)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Copper (Cu)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Nickel (Ni)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Cobalt (Co)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Iron (Fe)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Manganese (Mn)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Zinc (Zn)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Cadmium (Cd)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Aluminium (A)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Thallium (Tl)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Arsenic (As)	max. $1 \cdot 10^{-5}$ % (0.1 ppm)
Magnesium (Mg)	max. $1 \cdot 10^{-5}$ % (0.1 ppm)
Calcium (Ca)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Strontium (Sr)	max. $5 . 10^{-6}$ % (0.05 ppm)
Barium (Ba)	max. $5 \cdot 10^{-4}$ % (5 ppm)
Lithium (Li)	max. $5 \cdot 10^{-5}$ % (0.5 ppm)
Sodium (Na)	max. $5 \cdot 10^{-3}$ % (50 ppm)
Potassium (K)	max. $5 \cdot 10^{-3}$ % (50 ppm)
Rubidium (Rb)	max. $5 \cdot 10^{-3}$ % (50 ppm)

2860	**Cesium bromide Suprapur®** CsBr MW 212.81		(P)	25 g 250 g	21.— 158.—

CERTIFICATE OF GUARANTEE:
The substance is suitable for density gradient centrifugation

$[E^{50\%}_{1\,cm}]$ 260 nm max. 0.02

Chloride (Cl)	max. $5 \cdot 10^{-4}$ % (5 ppm)
Lead (Pb)	max. $1 \cdot 10^{-6}$ % (0.005 ppm)
Copper (Cu)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Cobalt (Co)	max. $5 \cdot 10^{-7}$ % (0.005 ppm)
Nickel (Ni)	max. $5 \cdot 10^{-7}$ % (0.005 ppm)
Zinc (Zn)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Iron (Fe)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Aluminium (Al)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Manganese (Mn)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Thallium (Tl)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Barium (Ba)	max. $1 \cdot 10^{-3}$ % (10 ppm)
Strontium (Sr)	max. $5 \cdot 10^{-4}$ % (5 ppm)
Calcium (Ca)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Magnesium (Mg)	max. $1 \cdot 10^{-5}$ % (0.1 ppm)
Lithium (Li)	max. $4 \cdot 10^{-5}$ % (0.4 ppm)
Sodium (Na)	max. $5 \cdot 10^{-4}$ % (5 ppm)
Potassium (K)	max. $5 \cdot 10^{-4}$ % (5 ppm)
Rubidium (Rb)	max. $1 \cdot 10^{-3}$ % (10 ppm)

Other cesium compounds on request

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2040	**Cesium carbonate** extra pure Cs_2CO_3 MW 325.82 TYPE ANALYSIS: Assay . . . . . 99.5 % Chloride (Cl) . . . 0.002 % Sulfate (SO_4) . . . 0.01 % Total nitrogen (N) . 0.003 % Lead (Pb) . . . . . 0.0003 % Copper (Cu) . . . . 0.0003 % Zinc (Zn) . . . . . 0.0003 % Iron (Fe) . . . . . 0.0003 % Aluminium (Al) . . . 0.001 % Magnesium (Mg) . . 0.0005 % Lithium (Li) . . . . 0.00004% Sodium (Na) . . . . 0.01 % Potassium (K) . . . 0.01 % Rubidium (Rb) . . . 0.02 %	0.4		**25 g**	13.25	
2039	**Cesium chloride Suprapur**® CsCl MW 168.36 CERTIFICATE OF GUARANTEE: **The substance is suitable for density gradient centrifugation** [$E^{50\%}_{1\,cm}$] 260 nm max. 0.02 Lead (Pb) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Copper (Cu) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Cobalt (Co) . . . . . max. $5 \cdot 10^{-7}$ % (0.005 ppm) Nickel (Ni) . . . . . max. $5 \cdot 10^{-7}$ % (0.005 ppm) Zinc (Zn) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Iron (Fe) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Aluminium (Al) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Manganese (Mn) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Thallium (Tl) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Barium (Ba) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Strontium (Sr) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Calcium (Ca) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Magnesium (Mg) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Sodium (Na) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Potassium (K) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Rubidium (Rb) . . . . . max. $1 \cdot 10^{-3}$ % (10 ppm) Lithium (Li) . . . . . max. $4 \cdot 10^{-5}$ % (0.4 ppm)	0.5		**25 g** **250 g**	21.— 158.—	
2038	**Cesium chloride** GR CsCl MW 168.36 CERTIFICATE OF GUARANTEE: Assay of CsCl . min. 99.5 % Sulfate (SO_4) . max. 0.002 % Total nitrogen (N) max. 0.001 % Lead (Pb) . . . max. 0.0001 % Copper (Cu) . . max. 0.0003 % Zinc (Zn) . . . max. 0.0003 % Iron (Fe) . . . . max. 0.0003 % Aluminium (Al) . max. 0.0005 % Magnesium (Mg) max. 0.0005 % Lithium (Li) . . max. 0.00005% Sodium (Na) . . max. 0.002 % Potassium (K) . max. 0.002 % Rubidium (Rb) . max. 0.008 %	0.5		**25 g** **100 g**	15.50 51.—	
2041	**Cesium chloride** extra pure CsCl MW 168.36	0.5		**25 g**	9.50	

Other cesium compounds on request

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2037	**Cesium chloride-aluminium nitrate buffer solution** acc. to Schuhknecht and Schinkel for determination of sodium, potassium and lithium by flame photometry 1 l = 1.14 kg		P	250 ml 1 l	7.50 22.25	
2855	**Cesium chromate Selectipur®** Cs_2CrO_4 MW 381.80	0.5	P	250 g 1 kg	prices on application	
2854	**Cesium fluoride Selectipur®** CsF MW 151.90	0.6	P	250 g 1 kg	prices on application	
2852	**Cesium formiate Suprapur®** $CHCsO_2$ MW 177.92		P	25 g 250 g	34.25 289.—	

CERTIFICATE OF GUARANTEE:
The substance is suitable for density gradient centrifugation

$[E^{50\%}_{1\,cm}]$ 260 nm max. 0.04

Chloride (Cl)	max. $5 \cdot 10^{-3}$ % (50 ppm)
Sulfate (SO_4)	max. $5 \cdot 10^{-3}$ % (50 ppm)
Boron (B)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Lead (Pb)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Copper (Cu)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Nickel (Ni)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Cobalt (Co)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Iron (Fe)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Manganese (Mn)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Zinc (Zn)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Cadmium (Cd)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Aluminium (Al)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Thallium (Tl)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Arsenic (As)	max. $1 \cdot 10^{-5}$ % (0.1 ppm)
Magnesium (Mg)	max. $1 \cdot 10^{-5}$ % (0.1 ppm)
Calcium (Ca)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Strontium (Sr)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Barium (Ba)	max. $5 \cdot 10^{-4}$ % (5 ppm)
Lithium (Li)	max. $5 \cdot 10^{-5}$ % (0.5 ppm)
Sodium (Na)	max. $1 \cdot 10^{-3}$ % (10 ppm)
Potassium (K)	max. $2 \cdot 10^{-3}$ % (20 ppm)
Rubidium (Rb)	max. $5 \cdot 10^{-3}$ % (50 ppm)

Other cesium compounds on request

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2861	**Cesium iodide Suprapur®** CsI MW 259.81	0.4	25 g 250 g	21.— 158.—	

CERTIFICATE OF GUARANTEE:

Lead (Pb)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Copper (Cu)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Cobalt (Co)	max. $5 \cdot 10^{-7}$ % (0.005 ppm)
Nickel (Ni)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Zinc (Zn)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Iron (Fe)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Aluminium (Al)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Manganese (Mn)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Thallium (Tl)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Barium (Ba)	max. $5 \cdot 15^{-3}$ % (50 ppm)
Strontium (Sr)	max. $5 \cdot 10^{-4}$ % (5 ppm)
Calcium (Ca)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Magnesium (Mg)	max. $1 \cdot 10^{-5}$ % (0.1 ppm)
Lithium (Li)	max. $4 \cdot 10^{-5}$ % (0.4 ppm)
Sodium (Na)	max. $5 \cdot 10^{-4}$ % (5 ppm)
Potassium (K)	max. $5 \cdot 10^{-4}$ % (5 ppm)
Rubidium (Rb)	max. $1 \cdot 10^{-3}$ % (10 ppm)

2859	**Cesium iodide Optipur®** CsI MW 259.81		100 g 1 kg	prices on application	
2857	**Cesium iodide** extra pure CsI MW 259.81	0.4	5 g	4.75	

TYPE ANALYSIS:

Assay	99.5 %	Aluminium (Al)	0.001 %
Sulfate (SO_4)	0.01 %	Barium (Ba)	0.01 %
Thiosulfate (S_2O_3)	0.0025 %	Calcium (Ca)	0.001 %
Total nitrogen (N)	0.003 %	Magnesium (Mg)	0.0005 %
Lead (Pb)	0.0003 %	Lithium (Li)	0.00004%
Copper (Cu)	0.0003 %	Sodium (Na)	0.008 %
Iron (Fe)	0.0003 %	Potassium (K)	0.002 %
Zinc (Zn)	0.0003 %	Rubidium (Rb)	0.003 %

2856	**Cesium nitrate** extra pure $CsNO_3$ MW 194.91	0.9	25 g	10.50	

Other cesium compounds on request

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2863	**Cesium sulfate Suprapur®** Cs_2SO_4 MW 361.87 CERTIFICATE OF GUARANTEE: The substance is suitable for density gradient centrifugation $[E^{50\%}_{1\,cm}]$ 260 nm max. 0.02 Lead (Pb) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Copper (Cu) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Nickel (Ni) . . . . . max. $5 \cdot 10^{-7}$ % (0.005 ppm) Cobalt (Co) . . . . . max. $5 \cdot 10^{-7}$ % (0.005 ppm) Iron (Fe) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Zinc (Zn) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Aluminium (Al) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Manganese (Mn) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Thallium (Tl) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Magnesium (Mg) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Calcium (Ca) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Strontium (Sr) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Barium (Ba) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Lithium (Li) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Sodium (Na) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Potassium (K) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Rubidium (Rb) . . . . . max. $5 \cdot 10^{-3}$ % (50 ppm)			25 g 250 g	21.— 158.—	
2862	**Cesium sulfate GR** Cs_2SO_4 MW 361.87 CERTIFICATE OF GUARANTEE: Assay of Cs_2SO_4 min. 99.5% Chloride (Cl) . max. 0.001 % Total nitrogen (N) max. 0.001 % Lead (Pb) . . . max. 0.0003 % Copper (Cu) . . max. 0.0003 % Iron (Fe) . . . max. 0.0003 % Zinc (Zn) . . . max. 0.0003 % Aluminium (Al) . max. 0.0005 % Calcium (Ca) . max. 0.001 % Magnesium (Mg) max. 0.0005 % Lithium (Li) . . max. 0.0001 % Sodium (Na) . . max. 0.002 % Potassium (K) . max. 0.002 % Rubidium (Rb) . max. 0.01 %	0.5		25 g	13.25	
	Other cesium compounds on request					
	Cetaceum see Spermaceti					
	Cetylacetic acid see Stearic acid					
989	**Cetyl alcohol** (1-hexadecanol) Erg B 6 $C_{16}H_{34}O$ MW 242.45	2.5		500 g 1 kg 5 kg 9026/25 kg	5.25 8.50 34.25	5.50
	Cetyl bromide see 1-Bromohexadecane					
	Cetyl chloride see 1-Chlorohexadecane					
2341	**Cetyl cholesteryl carbonate Licristal®** $C_{44}H_{78}O_3$ MW 655.11	5		5 g 25 g 100 g	9.— 35.— 100.—	
	α-Cetylcitric acid see Agaricic acid					

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2340	***N*-Cetylpyridinium chloride** (monohydrate) $C_{21}H_{38}ClN \cdot H_2O$ MW 358.01	3	P 100 g 1 kg 5 kg	7.10 50.— 221.—	
2342	***N*-Cetyl-*N*,*N*,*N*-trimethylammonium bromide** GR $C_{19}H_{42}BrN$ MW 364.46 CERTIFICATE OF GUARANTEE: Assay (according to German standard procedure for determination of water) . . . min. 99% Heavy metals (as Pb) . . . . max. 0.001% Iron (Fe) . . . . max. 0.001% Water . . . . . max. 1 % Sulfated ash . . max. 0.1 %	3	100 g 1 kg	11.50 100.—	
2343	***N*-Cetyl-*N*,*N*,*N*-trimethylammonium bromide** for cosmetic $C_{19}H_{42}BrN$ MW 364.46	3	P 1 kg 25 kg	45.—	40.—
	Cevadine see Veratrine				
	Chalcone see Benzylideneacetophenone				
2186	**Charcoal activated** GR CERTIFICATE OF GUARANTEE: Substances soluble in water . . . max. 0.2 % Substances soluble in absolute alcohol max. 0.2 % Substances soluble in hydrochloric acid . . . . . max. 1.0 % Chloride (Cl) . . max. 0.01 % Sulfate (SO_4) . . max. 0.01 % Heavy metals (as Pb) . . . . max. 0.005% Zinc (Zn) . . . . max. 0.001% Iron (Fe) . . . . . max. 0.005% Loss on drying (105° C) . . . . max. 8 %	2.5	250 g 500 g 1 kg	5.50 9.— 16.50	
9601	**Charcoal activated** 0.3–0.5 mm (35–50 mesh ASTM) for gas chromatography	2	100 g 1 kg	14.75 109.—	
9624	**Charcoal activated** 0.5–0.75 mm (20–35 mesh ASTM) for gas chromatography	2.5	100 g 1 kg	14.75 109.—	
2514	**Charcoal activated** granular 1.5 mm	2.5	P 1 kg 5 kg 50 kg	8.— 31.50	5.40
2515	**Charcoal activated** granular 2.5 mm	2.5	P 1 kg 5 kg 50 kg	8.20 33.—	5.90
2184	**Charcoal activated** extra pure	2.5	P 1 kg 5 kg 50 kg	7.10 29.50	5.10
2183	**Charcoal activated** pure	3.5	P 1 kg 5 kg 9031/30 kg	5.80 24.25	3.95

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
500060	**Charcoal medicinal** DAB 7	5	P	250 g	5.50	
				500 g	9.50	
				1 kg	17.50	
				5 kg	85.—	
				9026/25 kg		15.65
2204	**Charcoal wood** powder USP X	2.5	P	1 kg	4.75	
				5 kg	15.75	
				50 kg		2.25
	Charcoal see also Clarocarbon®					
	China blue see Aniline blue					
2348	**China blue lactose agar** for microbiology (35 g for 1 litre of culture medium)	1.7		35 g	4.25	
				500 g	35.—	
				10x500 g	33.—	
	China green see Malachite green					
6518	**Chiniofon** USP XV (mixture of 8-hydroxy-7-iodo-5-quinolinesulfonic acid and sodium hydrogen carbonate)	1.5		100 g	5.25	
				1 kg	40.—	
				5 kg	184.—	
2287	**Chiolithe** tablets **Patinal**® one tablet about 0.5 g			100 g	65.—	
				1 kg	price on application	
2425	**Chloral hydrate** DAB 7, BP 1958, Ph Internat I, USP XVI $C_2H_3Cl_3O_2$ MW 165.40	0.9	P	500 g	7.10	
				1 kg	12.50	
				5 kg	53.—	
				50 kg		8.90
2420	α-D(+)-*gluco*-**Chloralose** extra pure $C_8H_{11}Cl_3O_6$ MW 309.53	1.5	P	25 g	6.30	
				100 g	18.50	
2426	**Chloramine T** (trihydrate) GR $C_7H_7ClNNaO_2S \cdot 3\,H_2O$ MW 281.69 CERTIFICATE OF GUARANTEE: Assay (active chlorine, iodometric) . . . min. 24.5% Substances insoluble in absolute ethanol max. 1.5%	1.7	P	250 g	5.80	
				1 kg	16.25	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2424	**Chloramine T** (trihydrate) NF X, DAB 7 $C_7H_7ClNNaO_2S \cdot 3\,H_2O$ MW 281.69	1.9	P	500 g 1 kg 5 kg	6.60 11.75 48.25	
				50 kg		7.—
2361	**Chloranil** for synthesis (LAB) $C_6Cl_4O_2$ MW 245.88 TYPE ANALYSIS: Assay (TCl_3 titration) . . . . . 96% Melting-point . . . 289–292° C Sulfated ash 0.3%	1.3		250 g	9.50	
2362	**Chloranilic acid** (3,6-dichloro-2,5-dihydroxy-*p*-benzoquinone) GR $C_6H_2Cl_2O_4$ MW 208.99 CERTIFICATE OF GUARANTEE: Assay (acidimetric) min. 99% Iron (Fe) . . . . . max. 0.001% Water . . . . . max. 0.5 % Sulfated ash . . max. 0.1 %	1.2		10 g 25 g	4.25 7.60	
2363	**Chloranilic acid barium salt** (trihydrate) GR $C_6BaCl_2O_4 \cdot 3\,H_2O$ MW 398.36 CERTIFICATE OF GUARANTEE: Assay (ex Ba; on anhydrous substance) . . min. 99 % Heavy metals (as Pb) . . . . max. 0.001% Iron (Fe) . . . . max. 0.001% Water (acc. to Karl Fischer) . 12–14 %	1.5		25 g	9.50	
7364	**Chloranilic acid mercury(II) salt** for photometric determination of chloride $C_6Cl_2HgO_4$ MW 407.56 CERTIFICATE OF GUARANTEE: Assay (ex Hg; complexometric) . min. 99% Iron (Fe) . . . . max. 0.001%	1.6		10 g	7.10	

Chlorbutol see 1,1,1-Trichloro-2-methyl-2-propanol

Chloretone see 1,1,1-Trichloro-2-methyl-2-propanol

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2646	•I•	**Chloroacetaldehyde diethyl acetal** for synthesis (ORG) $C_6H_{13}ClO_2$ MW 152.62 1 l = 1.01 kg			250 ml	13.—	
2678	•I•	2-Chloroacetaldehyde dimethyl acetal for synthesis (ORG) $C_4H_9ClO_2$ MW 124.57 1 l = 1.10 kg			100 ml	10.—	
2412		**Chloroacetamide** for synthesis (LAB) $ClCH_2CONH_2$ MW 93.51 TYPE ANALYSIS: Assay (ex N) . . . 99% (ex Cl) . . . 99% Melting-point . . . 119/120° C Sulfated ash . . . . . 0.03% Water (acc. to Karl Fischer) 0.25%	1.6		1 kg	16.75	
412	•I•	**Chloroacetic acid** cryst. for synthesis (LAB) $ClCH_2COOH$ MW 94.50 TYPE ANALYSIS: Assay (acidimetric) . . 99 % Chloride (Cl) . . . . 0.01 % Sulfate (SO_4) . . . . 0.005% Heavy metals (as Pb) . 0.005% Iron (Fe) . . . . . 0.001% Residue on ignition (as sulfates) . . . . 0.05 %	1		500 g 1 kg	5.25 9.—	
414	•I•	**Chloroacetic acid** cryst. Erg B 6 $ClCH_2COOH$ MW 94.50	1		1 kg 5 kg	8.50 35.—	
		Chloroacetone see 1-Chloro-2-propanone					
2605	•I•	**4-Chloroacetophenone** for synthesis (ORG) C_8H_7ClO MW 154.60 1 l = 1.19 kg			100 ml	13.75	
2411	•I•	**Chloroacetyl chloride** for synthesis (LAB) $ClCH_2COCl$ MW 112.94 1 l = 1.42 kg TYPE ANALYSIS: Assay (alkalimetric) 98% d 20°/4° . . . . . 1.420–1.423 Refractive index ($n_D^{20°}$) . . . . . 1.452–1.455 Boiling-range (90%) 105–110° C			250 ml 1 l	10.— 30.50	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
875	•|•	**2-Chloroacrylonitrile** for synthesis (ORG) stabilised with 0.1% hydroquinone C_3H_2ClN MW 87.51	1 l = 1.10 kg	aluminium bottle 250 ml	15.75	
2611	•|•	**2-Chloroaniline** for synthesis (ORG) C_6H_6ClN MW 127.57	1 l = 1.21 kg	500 ml	13.25	
2612	•|•	**3-Chloroaniline** for synthesis (ORG) C_6H_6ClN MW 127.57	1 l = 1.22 kg	250 ml	8.40	
2613		**4-Chloroaniline** for synthesis (ORG) C_6H_6ClN MW 127.57	2	250 g 1 kg	6.30 17.75	
		5-Chloro-1,2-anisidine see 5-Chloro-2-methoxyaniline				
2455		**4-Chloroanthranilic acid** for synthesis (ORG) $C_7H_6ClNO_2$ MW 171.58	4	25 g	11.—	
2679		**2-Chloroanthraquinone** for synthesis (ORG) $C_{14}H_7ClO_2$ MW 242.66	2	250 g	10.50	
		tetra-Chloroauric(III) acid see Gold trichloride acid				
450	*	**2-Chlorobenzaldehyde** for determination of sorbitol C_7H_5ClO MW 140.57	1 l = 1.25 kg	5 ml	5.—	
1013		**4-Chlorobenzaldehyde** for synthesis (ORG) C_7H_5ClO MW 140.57		100 g	7.10	
1791	•|•*	**Chlorobenzene** extra pure C_6H_5Cl MW 112.56	1 l = 1.10 kg	500 ml 1 l 2½ l 50 kg	5.25 8.40 16.75	5.30

			Volume			Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
						DM	DM
475	•|•	**4-Chlorobenzenesulfonyl chloride** for synthesis (ORG) $C_6H_4Cl_2O_2S$ MW 211.07	1.5		250 g	9.50	
463		**2-Chlorobenzoic acid** for synthesis (ORG) $C_7H_5ClO_2$ MW 156.57	2.5	P	250 g	8.—	
473		**3-Chlorobenzoic acid** for synthesis (ORG) $C_7H_5ClO_2$ MW 156.57	2		100 g	27.75	
476		**4-Chlorobenzoic acid** for synthesis (ORG) $C_7H_5ClO_2$ MW 156.57	2.5	P	100 g	8.50	
2696		**2-Chlorobenzonitrile** for synthesis (ORG) C_7H_4ClN MW 137.57	2		25 g	6.30	
2610		**4-Chlorobenzophenone** for synthesis (ORG) $C_{13}H_9ClO$ MW 216.67	2		100 g	12.75	
2596		**1-Chloro-1H-benzotriazole** for synthesis (LAB) $C_6H_4ClN_3$ MW 153.57	2.2		100 g	22.—	
2615	•|•	**2-Chlorobenzotrifluoride** for synthesis (ORG) $C_7H_4ClF_3$ MW 180.56 1 l = 1.38 kg			100 ml	10.—	
2617	•|•	**4-Chlorobenzotrifluoride** for synthesis (ORG) $C_7H_4ClF_3$ MW 180.56 1 l = 1.35 kg			100 ml	9.75	
2618	•|•	**4-Chlorobenzoyl chloride** for synthesis (ORG) $C_7H_4Cl_2O$ MW 175.02 1 l = 1.34 kg			100 ml	9.—	
2619	•|•	**4-Chlorobenzyl chloride** for synthesis (ORG) $C_7H_6Cl_2$ MW 161.03 1 l = 1.24 kg			250 ml	15.75	
2620	•|•	**4-Chlorobenzyl cyanide** for synthesis (ORG) C_8H_6ClN MW 151.60 1 l = 1.15 kg			100 ml	16.25	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
		Chlorobenzylidyne trifluoride see Chlorobenzotrifluoride				
2292		**2-(4-Chlorobenzyl)-pyridine** for synthesis (ORG) $C_{12}H_{10}ClN$ MW 203.67 1 l = 1.17 kg		100 ml	29.—	
2293		**4-(4-Chlorobenzyl)-pyridine** for synthesis (ORG) $C_{12}H_{10}ClN$ MW 203.67 1 l = 1.18 kg		100 ml	29.—	
1640	•|•	**1-Chlorobutane** for synthesis (LAB) C_4H_9Cl MW 92.57 1 l = 0.89 kg TYPE ANALYSIS: Assay (gas chromatographic) 97% d 20°/4° C . . . . . 0.885–0.887 Refractive index ($n_D^{20°}$) . . . . . 1.401–1.403 Boiling-range (95%) 76–80° C		1 l 2½ l	14.— 31.—	
1688	•|•	**1-Chlorobutane** for protein sequenation acc. to Edman and Begg C_4H_9Cl MW 92.57 1 l = 0.89 kg		1 l	50.—	
		Chlorobutanol see 1,1,1-Trichloro-2-methyl-2-propanol **1-Chloro-2-butene see Crotyl chloride**				
2673	•|•	**3-Chloro-1-butene** for synthesis (ORG) C_4H_7Cl MW 90.55 1 l = 0.90 kg		100 ml	12.25	
2516	•|•	**4-Chlorobutyraldehyde diethyl acetal** for synthesis (ORG) $C_8H_{17}ClO_2$ MW 180.68 1 l = 0.98 kg		25 ml 100 ml	26.— 90.—	
2590	•|•	**4-Chlorobutyryl chloride** for synthesis (ORG) $C_4H_6Cl_2O$ MW 141.00 1 l = 1.26 kg		100 ml 1 l	13.50 110.—	
		Chlorocresol see Chloromethylphenol				
3212		**1-Chlorodecane** for synthesis (ORG) $C_{10}H_{21}Cl$ MW 176.73 1 l = 0.87 kg		250 ml	17.75	
2608		**4-Chloro-2,5-dimethoxyaniline** for synthesis (ORG) $C_8H_{10}ClNO_2$ MW 187.63	2	100 g	22.—	
		1-Chloro-2,2-dimethoxyethane see 2-Chloroacetaldehyde dimethyl acetal				

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	2-Chloro-1-dimethylaminopropane hydrochloride see *N*-(2-Chloropropyl)-*N*,*N*-dimethylammonium chloride				
2677	**1-Chloro-3,3-dimethylbutane** for synthesis (ORG) $C_6H_{13}Cl$ MW 120.62 1 l = 0.87 kg		100 ml	10.50	
2427	**1-Chloro-2,4-dinitrobenzene** GR $C_6H_3ClN_2O_4$ MW 202.55 CERTIFICATE OF GUARANTEE: Assay (ex N) . . min. 99% Melting-point . . 50–52 °C Heavy metals (as Pb) . . . . max. 0.001% Iron (Fe) . . . . max. 0.001% Sulfated ash . . max. 0.1 %	1.1	25 g 100 g	4.50 10.50	
2429	**1-Chloro-2,4-dinitrobenzene** standard for elementary analysis $C_6H_3ClN_2O_4$ MW 202.55 CERTIFICATE OF GUARANTEE: Carbon (C) . . . . . 35.6% Hydrogen (H) . . . . . 1.5% Chlorine (Cl) . . . . . 17.5% Nitrogen (N) . . . . . 13.8% Oxygen (O) . . . . . 31.6% Suitable for determination of C, H, Cl, N, O.	1.1	5 g	7.—	
	4-Chloro-1,3-dinitrobenzene see 1-Chloro-2,4-dinitrobenzene				
2302	**2-Chloro-3,5-dinitropyridine** GR $C_5H_2ClN_3O_4$ MW 203.54	2	1 g	7.50	
1561	**Chlorodiphenylmethane** for synthesis (ORG) $C_{13}H_{11}Cl$ MW 202.69 1 l = 1.14 kg		100 ml	14.75	
	1-Chloro-2,3-epoxypropane see Epichlorohydrin				
	2-Chloroethanal (hemihydrate) see Chloroacetaldehyde (hemihydrate)				
945	**2-Chloroethanol** for synthesis (LAB) $ClCH_2CH_2OH$ MW 80.51 1 l = 1.20 kg TYPE ANALYSIS: Assay (ex Cl) . . 98.5% d 20°/4° . . . . . 1.200–1.204 Refractive index ($n_D^{20°}$) . . . . . 1.442–1.443 Boiling-range . . . 126–129° C Free acid (as HCl) . . 0.1 % Non-volatile substances . . . . . 0.05 % Heavy metals (as Pb) . 0.001% Iron (Fe) 0.001%		250 ml 1 l	6.60 20.—	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
3085	**N-2-Chloroethyl-N,N-diethylammonium chloride** for synthesis (ORG) $C_6H_{15}Cl_2N$ MW 172.10			250 g	13.75	
2440	**N-2-Chloroethyl-N,N-dimethylammonium chloride** for synthesis (LAB) $C_4H_{11}Cl_2N$ MW 144.04 TYPE ANALYSIS: Assay (perchloric acid titration) . . . . . 99% Substances insoluble in water . . . . . 0.05 % Sulfate (SO_4) . . . . 0.002% Heavy metals (as Pb) . 0.001% Sulfated ash . . . . . 0.05 %			250 g 1 kg	9.50 29.50	
2600	**N-(2-Chloroethyl)-di-*iso*-propylammonium chloride** for synthesis (ORG) $C_8H_{19}Cl_2N$ MW 200.15			100 g	25.25	
01162	**5-(2-Chloroethyl)-4-methylthiazolium chloride** $C_6H_9Cl_2NS$ MW 198.12	1.8		**1 kg** **5 kg**	128.— 600.—	
7606	**N-(2-Chloroethyl)-piperidine hydrochloride** for synthesis (ORG) $C_7H_{15}Cl_2N$ MW 184.11			100 g	19.50	
3162	**Chloroform** (for determinations with dithizone) GR $CHCl_3$ MW 119.38 1 l = 1.47 kg CERTIFICATE OF GUARANTEE: Assay (gas chromatographic) . . 99–99.4 % Ethanol . . . . 0.6–1.0 % Free acid (as HCl) . . max. 0.001 % Chloride (Cl) . max. 0.0001 % Chlorine . . . max. 0.00002 % Lead (Pb) . . . max. 0.000001% Copper (Cu) . max. 0.000001% Iron (Fe) . . . max. 0.00001 % Zinc (Zn) . . . max. 0.000005% Formaldehyde . max. 0.0001 % Aldehydes (as CH_3CHO) max. 0.0001 % Ketones (as Acetone) max. 0.0002 % Readily carbonisable substances . . . . . passes test Water . . . . . max. 0.01 % Non-volatile substances . max. 0.0006 % Suitability for determination with dithizone passes test			250 ml 1 l 2½ l	5.50 14.— 30.—	
7600	**Chloroform** GR $CHCl_3$ MW 119.38 1 l = 1.47 kg CERTIFICATE OF GUARANTEE: Assay (gas chromatographic) . . 99–99.4 % Ethanol . . . . 0.6–1.0 % Free acid (as HCl) . . max. 0.001 % Chloride (Cl) . max. 0.0001 % Chlorine . . . max. 0.00002 % Lead (Pb) . . . max. 0.000001% Copper (Cu) . max. 0.000001% Iron (Fe) . . . max. 0.00001 % Zinc (Zn) . . . max. 0.000005% Readily carbonisable substances . . . . . passes test Formaldehyde . max. 0.0001 % Aldehyde (as CH_3CHO) max. 0.00008 % Ketones (as Acetone) max. 0.0002 % Water . . . . . max. 0.01 % Non-volatile substances . max. 0.0006 %			500 ml 1 l 2½ l standard box 15 x 1 l 8 x 15 x 1 l 8 x 2½ l 8 x 8 x 2½ l 9051 50 kg	6.50 11.— 25.— 10.40 10.— 23.75 23.—	5.50

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2447	**Chloroform** for spectroscopy **Uvasol®** $CHCl_3$ MW 119.38 CERTIFICATE OF GUARANTEE: Suitability for UV spectroscopy (1-cm cell; reference : water) Transmittance at 250 nm . . . . . min. 50% 260 nm . . . . . min. 85% 280 nm . . . . . min. 96% 300 nm . . . . . min. 98% 350 nm . . . . . 100% Suitability for IR spectroscopy passes test	1 l = 1.47 kg	500 ml 1 l 2½ l	8.— 15.— 30.—	
2431	**Chloroform** DAB 7 $CHCl_3$ MW 119.38 TYPE ANALYSIS: Assay (gas chromatographic) . . . . 99.0–99.4% d 20°/4° . . . . . 1.475–1.478 Refractive index ($n_D^{20°}$) . . . . . 1.444–1.446 Boiling-range . . . . 60–62° C Ethanol (gas chromatographic) . . . . . 0.6–1% Non-volatile substances 0.001%	1 l = 1.47 kg	500 ml 1 l 2½ l standard box 15 x 1 l 8 x 15 x 1 l 8 x 2½ l 8 x 8 x 2½ l 9051/50 kg	5.50 9.— 20.— 1 l 8.50 1 l 8.25 2½ l 19.— 2½ l 18.50	4.10
	Chloroform-d see Deuterochloroform				
	Chloroformide see *N,N*-Diethylcarbamoyl chloride				
2339	**1-Chlorohexadecane** for synthesis (ORG) $C_{16}H_{33}Cl$ MW 260.89	1 l = 0.85 kg	250 ml	9.	
2806	**6-Chloro-1-hexanol** for synthesis (ORG) $C_6H_{13}ClO$ MW 136.62	1 l = 1.02 kg	100 ml	26.25	
	6-Chlorohexyl alcohol see 6-Chloro-1-hexanol				
	α-Chlorohydrin see α-Dichlorohydrin				
1072	**Chlorohydroxyaluminium allantoinate** (aluminium hydroxide chloride-allantoin)	1.5	1 kg 25 kg	40.— price on application	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7092		**5-Chloro-8-hydroxy-7-iodoquinoline** Ph Ned VI C_9H_5ClINO MW 305.50	5	100 g 1 kg 5 kg 25 kg	6.— 39.— 178.—	 32.50
		2-Chloro-6-hydroxypyridine see 6-Chloro-2-pyridinol				
2614		**5-Chloro-2-methoxyaniline** for synthesis (ORG) C_7H_8ClNO MW 157.60	2	250 g	10.—	
2671	•|•	**2-Chloro-6-methoxypyridine** for synthesis (ORG) C_6H_6ClNO MW 143.57 1 l = 1.22 kg		25 ml	9.50	
2640	•|•	**2-Chloro-6-methylaniline** for synthesis (ORG) C_7H_8ClN MW 141.60 1 l = 1.16 kg		100 ml	7.50	
2643	•|•	**3-Chloro-2-methylaniline** for synthesis (ORG) C_7H_8ClN MW 141.60 1 l = 1.17 kg		100 ml	10.—	
2639	•|•	**3-Chloro-4-methylaniline** for synthesis (ORG) C_7H_8ClN MW 141.60 1 l = 1.16 kg		100 ml	6.80	
2642	•|•	**4-Chloro-2-methylaniline** for synthesis (ORG) C_7H_8ClN MW 141.60 1 l = 1.14 kg		250 ml	16.	
2641	•|•	**5-Chloro-2-methylaniline** for synthesis (ORG) C_7H_8ClN MW 141.60 1 l = 1.17 kg		250 ml	14.75	
2496	•|•	**Chloromethyldimethylchlorsilane** for synthesis (LAB) $C_3H_8Cl_2Si$ MW 143.09 1 l = 1.08 kg		5 ml	7.50	
2360		**1-(Chloromethyl)-naphthalene** for synthesis (ORG) $C_{11}H_9Cl$ MW 176.65 1 l = 1.17 kg		100 ml	17.—	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2631		**3-Chloro-6-methyl-4-nitroaniline** for synthesis (ORG) $C_7H_7ClN_2O_2$ MW 186.60	4		100 g	13.—	
2295		**4-Chloro-3-methylphenol** for synthesis (ORG) C_7H_7ClO MW 142.59	2		250 g	8.50	
2459		**3-Chloromethyl-1-methylpiperidinium chloride** for synthesis (ORG) $C_7H_{15}Cl_2N$ MW 184.11	2		10 g	13.25	
		2-Chloro-2-methylpropane see *tert*-Butyl chloride					
2674	•I•	**1-Chloro-2-methyl-1-propene** for synthesis (ORG) C_4H_7Cl MW 90.55 1 l = 0.91 kg			100 ml	11.50	
		1-Chloro-2-methyl-2-propene see Methallyl chloride					
2869		*N*-(3-Chloro-2-methylpropyl)-*N*,*N*-dimethylammonium **chloride** for synthesis (ORG) $C_6H_{15}Cl_2N$ MW 172.10	5		100 g	23.25	
2624		**2-Chloro-4-nitroaniline** for synthesis (ORG) $C_6H_5ClN_2O_2$ MW 172.57	4		250 g	9.—	
2625		**4-Chloro-2-nitroaniline** for synthesis (ORG) $C_6H_5ClN_2O_2$ MW 172.57	2		250 g	7.50	
6232	•I•	**2-Chloronitrobenzene** for synthesis (ORG) $C_6H_4ClNO_2$ MW 157.56 1 l = 1.37 kg			500 ml	6.80	
6231	•I•	**3-Chloronitrobenzene** for synthesis (ORG) $C_6H_4ClNO_2$ MW 157.56 1 l = 1.34 kg			250 ml	7.50	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
0233	**4-Chloronitrobenzene** for synthesis (ORG) $C_6H_4ClNO_2$ MW 157.56	1.5	250 g 1 kg	4.50 9.75	
478	**2-Chloro-4-nitrobenzoic acid** for synthesis (ORG) $C_7H_4ClNO_4$ MW 201.57	2	100 g	8.25	
479	**4-Chloro-3-nitrobenzoic acid** for synthesis (ORG) $C_7H_4ClNO_4$ MW 201.57	1.5	100 g	8.25	
488	**5-Chloro-2-nitrobenzoic acid** for synthesis (ORG) $C_7H_4ClNO_4$ MW 201.57		10 g	12.75	
8280	**4-Chloro-3-nitrobenzotrifluoride** for synthesis (ORG) $C_7H_3ClF_3NO_2$ MW 225.56 1 l = 1.50 kg		25 ml	6.80	
	4-Chloro-3-nitrobenzylidyne trifluoride see 4-Chloro-3-nitrobenzotrifluoride				
	4-Chloro-2-nitrobromobenzene see 2-Bromo-5-chloro-1-nitrobenzene				
2627	**2-Chloro-4-nitrophenol** for synthesis (ORG) $C_6H_4ClNO_3$ MW 173.56	1.5	250 g	9.50	
2628	**4-Chloro-2-nitrophenol** for synthesis (ORG) $C_6H_4ClNO_3$ MW 173.56	2	500 g	9.50	
2629	**2-Chloro-3-nitropyridine** for synthesis (ORG) $C_5H_3ClN_2O_2$ MW 158.54	2	10 g	18	
2630	**2-Chloro-5-nitropyridine** for synthesis (ORG) $C_5H_3ClN_2O_2$ MW 158.54	2	10 g	10.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2632	**2-Chloro-4-nitrotoluene** for synthesis (ORG) $C_7H_6ClNO_2$ MW 171.58	1.5	250 g	9.—	
2636	**2-Chloro-6-nitrotoluene** for synthesis (ORG) $C_7H_6ClNO_2$ MW 171.58	1	250 g	6.30	
2648	**3-Chloro-4-nitrotoluene** for synthesis (ORG) $C_7H_6ClNO_2$ MW 171.58	1 l = 1.32 kg	25 ml	14.—	
2633	**4-Chloro-2-nitrotoluene** for synthesis (ORG) $C_7H_6ClNO_2$ MW 171.58	2	250 g 1 kg	10.50 35.—	
2634	**4-Chloro-3-nitrotoluene** for synthesis (ORG) $C_7H_6ClNO_2$ MW 171.58	1 l = 1.30 kg	100 ml	7.—	
2649	**5-Chloro-2-nitrotoluene** for synthesis (ORG) $C_7H_6ClNO_2$ MW 171.58	1 l = 1.32 kg	25 ml	14.—	
	5-Chloro-4-nitro-2-toluidine see 3-Chloro-6-methyl-4-nitroaniline				
6903	**1-Chlorooctane** for synthesis (ORG) $C_8H_{17}Cl$ MW 148.68	1 l = 0.88 kg	250 ml	8.—	
2253	**2-Chlorophenol** for synthesis (ORG) C_6H_5ClO MW 128.56	1 l = 1.26 kg	250 ml	6.60	
2254	**4-Chlorophenol** for synthesis (ORG) C_6H_5ClO MW 128.56	1.5	250 g 1 kg	6.60 15.75	
3024	**Chlorophenol red** indicator $C_{19}H_{12}Cl_2O_5S$ MW 423.27 pH 4.8–6.4 yellow to purple	2	1 g 5 g	5.— 14.75	
2595	**4-Chlorophenoxyacetic acid** for synthesis (ORG) $C_8H_7ClO_3$ MW 186.60	1.8	250 g	11.—	

			Volume		Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
					DM	DM
99	•|•	**α-Chlorophenylacetyl chloride** for synthesis (ORG) $C_8H_6Cl_2O$ MW 189.04 1 l = 1.30 kg		50 ml	37.50	
72	•|•	**3-Chlorophenyl *iso*-cyanate** for synthesis (ORG) C_7H_4ClNO MW 153.57 1 l = 1.28 kg		250 ml	20.—	
15		**4-Chlorophenyl *iso*-cyanate** for synthesis (ORG) C_7H_4ClNO MW 153.57		250 g	15.—	
		4-Chlorophenyl methyl ketone see 4-Chloroacetophenone				
14		**5-Chloro-1-phenyltetrazole** for synthesis (LAB) $C_7H_5ClN_4$ MW 180.60		5 g	17.25	
		Chlorophenyltrifluoromethane see Chlorobenzotrifluoride				
470		**Chlorophyllin oil** technical	1.3	1 kg 5 kg 25 kg 5 x 25 kg	8.— 29.50	 4.55 4.20
469		**Chlorophyllin oil R** technical		1 kg 25 kg 2 x 25 kg	8.—	 4.60 4.20
467		**Chlorophyllin paste** water-soluble (copper complex, sodium salt) 25% acc. to NNR Chlorophyllin-copper-complex food dye E 141	0.75	100 g 1 kg 5 kg	16.75 132.— 595.—	
468		**Chlorophyllin powder** water-soluble (copper complex, sodium salt) 50% acc. to NNR Chlorophyllin-copper-complex food dye E 141	1.5	25 g 100 g 1 kg 5 kg	10.— 31.50 263.— 1180.—	
466		**Chlorophyllin powder** water-soluble (copper complex, sodium salt) 75% acc. to NNR Chlorophyllin-copper-complex food dye E 141	1.5	25 g 100 g 1 kg	13.75 45.25 395.—	
492		**Chlorophyllin powder** water-soluble (copper complex, sodium salt) 100% acc. to NNR Chlorophyllin-copper-complex food dye E 141	1.5	25 g 100 g 1 kg	18.— 60.— 525.—	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. pack. Prices per kg DM
		Chloroplatinic acid see Hexachloroplatinic(IV) acid					
2809	•|•	**2-Chloropropane** for synthesis (ORG) C_3H_7Cl MW 78.54 1 l = 0.86 kg			1 l	9.50	
2637		**3-Chloro-1,2-propanediol** for synthesis (ORG) $C_3H_7ClO_2$ MW 110.54 1 l = 1.32 kg			250 ml	10.50	
2638	•|•	**3-Chloro-1-propanol** for synthesis (ORG) C_3H_7ClO MW 94.54 1 l = 1.13 kg			100 ml	38.50	
2603	•|•	**1-Chloro-2-propanone** (stabilised with $CaCO_3$) for synthesis (ORG) C_3H_5ClO MW 92.53 1 l = 1.16 kg			250 ml	12.—	
		1-Chloro-2-propene see Allyl chloride					
2810	•|•	**2-Chloropropionic acid** for synthesis (ORG) $C_3H_5ClO_2$ MW 108.53 1 l = 1.25 kg			250 ml	8.25	
2794	•|•	**3-Chloropropionitrile** for synthesis (ORG) C_3H_4ClN MW 89.53 1 l = 1.14 kg			100 ml	13.25	
2680	•|•	**3-Chloropropionyl chloride** for synthesis (ORG) $C_3H_4Cl_2O$ MW 126.97 1 l = 1 31 kg			100 ml	11.—	
		3-Chloropropyl alcohol see 3-Chloro-1-propanol					
2666		*N*-**(3-Chloropropyl)**-*N*,*N*-**diethylammonium chloride** for synthesis (ORG) $C_7H_{17}Cl_2N$ MW 186.13	2		25 g 100 g	9.50 29.—	
3240		*N*-**(2-Chloropropyl)**-*N*,*N*-**dimethylammonium chloride** for synthesis (ORG) $C_5H_{13}Cl_2N$ MW 158.07	2		250 g	19.50	
3241		*N*-**(3-Chloropropyl)**-*N*,*N*-**dimethylammonium chloride** for synthesis (ORG) $C_5H_{13}Cl_2N$ MW 158.07	3		250 g	21.—	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
462	•|•	**3-Chloro-1-propyne** for synthesis (ORG) C_3H_3Cl MW 74.51	1 l = 1.03 kg	100 ml	11.—	
21		**6-Chloro-2-pyridinol** for synthesis (ORG) C_5H_4ClNO MW 129.55	2	25 g	12.75	
00		**2-Chloro-3-pyridylamine** for synthesis (ORG) $C_5H_5ClN_2$ MW 128.56	2	10 g	18.—	
17		**5-Chloro-2-pyridylamine** for synthesis (ORG) $C_5H_5ClN_2$ MW 128.56	2	10 g	11.50	
		6-Chloro-2-pyridyl methyl ether see 2-Chloro-6-methoxypyridine				
		1-Chloro-2,5-pyrrolidinedione see *N*-Chlorosuccinimide				
184		**3-Chloroquinuclidine** for synthesis (ORG) $C_7H_{12}ClN$ MW 145.63	4	5 g	17.25	
11		***N*-Chlorosuccinimide** for synthesis (ORG) $C_4H_4ClNO_2$ MW 133.53	2	100 g	15.75	
14		**2-Chloro-4-sulfobenzoic acid potassium salt** for synthesis (ORG) $C_7H_4ClKO_5S$ MW 274.73	1.5	25 g	7.50	
220	•|•	**Chlorosulfonic acid** pure $ClSO_3H$ MW 116.52	1 l = 1.75 kg	250 ml 1 l	7.60 22.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2488	**2-Chlorothiophene** for synthesis (ORG) C_4H_3ClS MW 118.59 1 l = 1.29 kg		25 ml	14.50	
	α-Chlorotoluene see Benzyl chloride				
2651	**2-Chlorotoluene** for synthesis (ORG) C_7H_7Cl MW 126.59 1 l = 1.08 kg		500 ml	8.50	
2652	**3-Chlorotoluene** for synthesis (ORG) C_7H_7Cl MW 126.59 1 l = 1.07 kg		250 ml	16.—	
2653	**4-Chlorotoluene** for synthesis (ORG) C_7H_7Cl MW 126.59 1 l = 1.07 kg		250 ml	9.—	
	3-Chloro-2-toluidine see 2-Chloro-6-methylaniline				
	4-Chloro-2-toluidine see 5-Chloro-2-methylaniline				
	5-Chloro-2-toluidine see 4-Chloro-2-methylaniline				
	6-Chloro-2-toluidine see 3-Chloro-2-methylaniline				
	2-Chloro-5-trifluoromethylaniline see 3-Amino-4-chlorobenzotrifluoride				
2333	**Chlorotrimethylsilane** for synthesis (LAB) C_3H_9ClSi MW 108.64 1 l = 0.81 kg		100 ml	6.60	
8348	**Chlorotriphenylmethane** (trityl chloride) for synthesis (LAB) $C_{19}H_{15}Cl$ MW 278.78	1.5	50 g 250 g	7.— 28.—	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	1-Chlorovinyl cyanide see 2-Chloroacrylonitrile					
	Cholalic acid see Cholic acid					
	Cholecalciferol see Vitamin D_3					
	5,7-Cholestadien-3β-ol see 7-Dehydrocholesterol					
	5-Cholesten-3β-ol see Cholesterol					
8980	**Cholesterol** (5-cholesten-3β-ol) for biochemistry (LAB) $C_{27}H_{46}O$ MW 386.67	6		0.1 g 0.5 g	8.50 31.50	
2471	**Cholesterol** (5-cholesten-3β-ol) Cod Franç 1965, USP XVII $C_{27}H_{46}O$ MW 386.67	3	P	100 g 250 g 1 kg 5 kg	9.75 22.— 74.— 336.—	
3670	**Cholesterol** (5-cholesten-3β-ol) $C_{27}H_{46}O$ MW 386.67	3	P	100 g 250 g 1 kg 5 kg	9.25 21.— 71.— 321.—	
2478	**Cholesterol acetate Licristal®** $C_{29}H_{48}O_2$ MW 428.70	3.5		5 g 25 g 100 g	5.— 9.— 25.—	
1821	**Cholesterol benzoate Licristal®** $C_{34}H_{50}O_2$ MW 490.78			5 g 25 g 100 g	5.— 14.50 40.—	
499	**Cholesterol butyrate Licristal®** $C_{31}H_{52}O_2$ MW 456.76	2		5 g 25 g 100 g	5.— 20.— 60.—	
2168	**Cholesterol caprinate Licristal®** $C_{37}H_{64}O_2$ MW 540.92			5 g 25 g 100 g	5.— 16.— 45.—	
348	**Cholesterol caproate Licristal®** $C_{33}H_{56}O_2$ MW 484.81	1.5		5 g 25 g 100 g	5.— 16.— 45.—	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
349	**Cholesterol caprylate Licristal®** $C_{35}H_{60}O_2$ MW 512.87	2.5		5 g 25 g 100 g	5.— 16.— 45.—	
281	**Cholesterol cinnamate Licristal®** $C_{36}H_{52}O_2$ MW 516.81	3		5 g 25 g 100 g	9.— 35.— 100.—	
3186	**Cholesterol elaidate Licristal®** $C_{45}H_{78}O_2$ MW 651.12	3	P	5 g 25 g 100 g	15.— 65.— 200.—	
7585	**Cholesterol enanthate Licristal®** $C_{34}H_{58}O_2$ MW 498.84	1.5		5 g 25 g 100 g	5.— 16.— 45.—	
3187	**Cholesterol erucate Licristal®** $C_{49}H_{86}O_2$ MW 707.23	4		5 g 25 g 100 g	7.— 25.— 75.—	
1000	**Cholesterol ethyl carbonate Licristal®** $C_{30}H_{50}O_3$ MW 458.73	2.5		5 g 25 g 100 g	9.— 35.— 100.—	
5342	**Cholesterol laurate Licristal®** $C_{39}H_{68}O_2$ MW 568.98	7		5 g 25 g 100 g	5.— 16.— 45.—	
8949	**Cholesterol linoleate** for biochemistry (LAB) $C_{45}H_{76}O_2$ MW 649.11			0.1 g	8.50	
8950	**Cholesterol linolenate** for biochemistry (LAB) $C_{45}H_{74}O_2$ MW 647.09			0.1 g	8.50	
6199	**Cholesterol methyl carbonate Licristal®** $C_{29}H_{48}O_3$ MW 444.70	3		5 g 25 g 100 g	9.— 35.— 100.—	
388	**Cholesterol myristate Licristal®** $C_{41}H_{72}O_2$ MW 597.03	3		5 g 25 g 100 g	5.— 16.— 45.—	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
977	**Cholesterol oleate** for biochemistry (LAB) $C_{45}H_{78}O_2$ MW 651.12	2		0.1 g	26.25	
928	**Cholesterol oleyl carbonate Licristal®** $C_{45}H_{78}O_2$ MW 651.12			5 g 25 g 100 g	9.— 35.— 100.—	
1978	**Cholesterol palmitate** for biochemistry (LAB) $C_{43}H_{76}O_2$ MW 625.08	2		0.1 g	8.50	
7175	**Cholesterol pelargonate Licristal®** $C_{36}H_{62}O_2$ MW 526.89	2		5 g 25 g 100 g	5.— 16.— 45.—	
613	**Cholesterol propionate Licristal®** $C_{30}H_{50}O_2$ MW 442.73	3		5 g 25 g 100 g	5.— 16.— 45.—	
8979	**Cholesterol stearate** for biochemistry (LAB) $C_{45}H_{80}O_2$ MW 653.14	3		0.1 g	8.50	
8493	**Cholesterol undecylate Licristal®** $C_{38}H_{66}O_2$ MW 554.95	5–6		5 g 25 g 100 g	5.— 16.— 45.—	
822	**Cholesterol valerate Licristal®** $C_{32}H_{54}O_2$ MW 470.79	2		5 g 25 g 100 g	5.— 20.— 60.—	
2479	**Cholesteryl chloride Licristal®** $C_{27}H_{45}Cl$ MW 405.11	2.2		5 g 25 g 100 g	9.— 35.— 100.—	
4071	**Cholic acid** (3α,7α,12α-trihydroxy-5β-cholanic acid) (LAB) $C_{24}H_{40}O_5$ MW 408.58	1.9		0.5 g	10.—	
222	**Cholic acid** (3α,7α,12α-trihydroxy-5β-cholanic acid) cryst. $C_{24}H_{40}O_5$ MW 408.58	1.9		100 g 1 kg	26.— 220.—	

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		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Choline bitartrate see Choline hydrogen tartrate				
500117	**Choline chloride** DAB 7, Ph Internat I, Reag USP XVII $C_5H_{14}ClNO$ MW 139.62 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.7	1 kg 5 kg 50 kg	9.50 39.50	 6.90
501897	**Choline chloride** dry concentrate 50%, on inorganic adsorbent, feed grade	2.1	5 kg 50 kg	prices on application	
501774	**Choline chloride** dry concentrate 50%, on organic adsorbent, feed grade		5 kg 9051/50 kg		
500114	*tri*-**Choline citrate solution** 65% 1 l = 1.16 kg		500 ml 2½ l 50 kg	5.25 21.—	 6.40
500116	**Choline dihydrogen citrate** NF XI $C_{11}H_{21}NO_8$ MW 295.29	1.9	1 kg 5 kg 50 kg	11.— 47.25	 8.40
500115	**Choline hydrogen tartrate** DAB 7, NF XI $C_9H_{19}NO_7$ MW 253.25	1.5	1 kg 5 kg 50 kg	11.— 47.25	 8.40
2477	**Chromazurol S** (C. I. No. 43 825, S. No. 841) metal (pM) indicator	1.5	25 g	5.50	
	Chrome black T see Eriochrome black T				
	Chromic anhydride see Chromium(VI) oxide				

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
05	**Chromium(III) acetylacetonate** for synthesis (LAB) $C_{15}H_{21}CrO_6$ MW 349.33	1	100 g 500 g	10.50 42.	
[illegible]	**Chromium(II)-chloride** anhydrous for synthesis (LAB) $CrCl_2$ MW 122.90		10 g	25.—	
87	**Chromium(III) chloride** $CrCl_3 \cdot 6\,H_2O$ MW 266.45 TYPE ANALYSIS: Assay of $CrCl_3 \cdot 6\,H_2O$ (iodometric) . . . . 95 % Sulfate (SO_4) . . . . 0.01 % Lead (Pb) . . . . . 0.005% Iron (Fe) . . . . . 0.01 % Substances not precipitated by ammonia solution (as sulfates) . . . . 0.2 %	1.2	250 g 1 kg 5 kg 50 kg	6.10 16.75 69.—	11.90
[illegible]	**Chromium(III) nitrate** GR $Cr(NO_3)_3 \cdot 9\,H_2O$ MW 400.15 CERTIFICATE OF GUARANTEE: Assay of $Cr(NO_3)_3 \cdot 9\,H_2O$ min. 98 % pH (5% solution) . 2.0–3.0 Chloride (Cl) . . max. 0.002% Sulfate (SO_4) . . . max. 0.005% Copper (Cu) . . . max. 0.001% Iron (Fe) . . . . . max. 0.005% Substances not precipitated by ammonia solution (as sulfates) . . max. 0.05 % Ammonium (NH_4) . max. 0.002%		250 g	8.50	
34	**Chromium(III) oxide** powder **Patinal®** particle size less than 0.3 mm Cr_2O_3 MW 151.99	1	100 g 1 kg	7.60 price on application	
83	**Chromium(III) oxide** anhydrous Cr_2O_3 MW 151.99 TYPE ANALYSIS: Assay of Cr_2O_3 (iodometric) . . . . 99 % Substances soluble in water . . . . . 0.8 % Chloride (Cl) . . . . . 0.01 % Sulfate (SO_4) . . . . 0.01 % Heavy metals (as Pb) . 0.002% Iron (Fe) . . . . . 0.02 %	0.9	500 g 1 kg 5 kg 9051/50 kg	5.50 10.— 39.50	7.50
[illegible]	**Chromium(VI) oxide** GR CrO_3 MW 99.99 CERTIFICATE OF GUARANTEE: Assay of CrO_3 . . min. 99 % Chloride (Cl) . . max. 0.005 % Sulfate (SO_4) . . max. 0.005 % Total nitrogen (N) max. 0.004 % Lead (Pb) . . . . max. 0.004 % Copper (Cu) . . max. 0.0005% Sodium (Na) . . max. 0.005 % Potassium (K) . . max. 0.005 % Substances precipitated by NH_3 . . . . max. 0.02 %	0.85	250 g 1 kg 50 kg	8. 24.	17.50

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
227		**Chromium(VI) oxide** extra pure DAB 6, BP 1963, NF X, Ph Ned VI CrO_3 MW 99.99	0.75		250 g 1 kg 5 kg 50 kg	5.80 18.— 76.—	13.10
		Chromium(III) potassium sulfate see Potassium chromium(III) sulfate					
		Chromium trioxide see Chromium(VI) oxide					
2499	•I•	**Chromosulfuric acid** for cleaning of glass vessels (LAB) 1 l = 1.84 kg			1 l 2½ l 35 kg	8.25 18.—	3.—
2498		**Chromotropic acid sodium salt** (dihydrate) GR $C_{10}H_6Na_2O_8S_2 \cdot 2\,H_2O$ MW 400.30 CERTIFICATE OF GUARANTEE: Sulfate (SO_4) . . max. 0.002 % Water . . . . . max. 9.5 % Sulfated ash . . 35–36% Sensibility as reagent for formaldehyde . . passes test	1.5		10 g 25 g	4.50 7.—	
		Chrysazin see 1,8-Dihydroxyanthraquinone					
1250		**Chrysoine S** (C. I. No. 14270, S. No. 186) food dye E 103 $C_{12}H_9N_2NaO_5S$ MW 316.27			100 g	9.—	
2307	○	α-**Chymotrypsin** (bovine) cryst, lyophilised 45 mU/mg for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.			1 g	39.50	
2309	○	α-**Chymotrypsin** (bovine) polymer bound to CM-cellulose 30–40 U/mg for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.			0.1 g 1 g	39.50 315.—	
2308	○	α-**Chymotrypsin** (bovine) TLCK treated lyophilised 45 mU/mg for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.			0.5 g	90.—	
2306	○	α-**Chymotrypsinogen** (bovine) cryst. lyophilised 45 mU/mg (after activation) for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.			1 g	44.25	
2506		**Cinchonine** for racemate resolution (LAB) $C_{19}H_{22}N_2O$ MW 294.40	8	P	25 g 100 g	7.60 23.25	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
507	**Cinchoninium chloride** GR $C_{19}H_{23}ClN_2O \cdot 2\,H_2O$ MW 366.89 CERTIFICATE OF GUARANTEE: Assay . . . . . min. 98% Substances insoluble in hydrochloric acid (0.25%) . . . . max. 0.01 % Sulfate (SO_4) . . max. 0.002% Other cinchona alkaloids fluorescence 1 mg/ml fluorescence 0.3 µ g quinine/ml 0.1 N H_2SO_4 Sulfated ash . . max. 0.1 % Suitability for determination of bismuth . . passes test	4	P	10 g 25 g		
	1,8-Cineole see Eucalyptol					
	Cinnabar see Mercury(II) sulfide red					
505	**Cinnamaldehyde** for synthesis (LAB) C_9H_8O MW 132.16 1 l = 1.05 kg TYPE ANALYSIS: Assay (gas chromatographic) . . . . . 98% d 20°/4° . . . . . 1.049–1.051 Refractive index ($n_D^{20°}$) . . . . 1.6223–1.6226 Sulfated ash . . 0.1%			250 ml 1 l		22.50
235	**Cinnamic acid** $C_9H_8O_2$ MW 148.16	3.8	P	**100 g** **250 g** **1 kg**		6.30 12.75 39.—
	Cinnamic aldehyde see Cinnamaldehyde					
06	**Cinnamoyl chloride** for synthesis (ORG) C_9H_7ClO MW 166.61 1 l = 1.16 kg			100 ml		11.50
004	**Cinnamyl alcohol** for synthesis (ORG) $C_9H_{10}O$ MW 134.18	0.8		250 g		12.75
002	**Citraconic acid** for synthesis (ORG) $C_5H_6O_4$ MW 130.10	2		250 g		21.—
1003	**Citraconic anhydride** for synthesis (ORG) $C_5H_4O_3$ MW 112.09 1 l = 1.25 kg			100 ml		18.50
009	**Citral** for synthesis (ORG) mixture of *cis*- and *trans*-isomers $C_{10}H_{16}O$ MW 152.24 1 l = 0.89 kg			100 ml		16.—

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2503	**Citrate-agar** acc. to Christensen (modified) for microbiology (22.6 g for 1 litre of culture medium)	1.9	0023 22.6 g 500 g 10 x 500 g	3.50 28.50 27.—	
2500	**Citrate broth** acc. to Koser for microbiology (5.7 g for 1 litre of culture medium)	1.5	57 g 500 g 10 x 500 g	4.— 15.— 14.—	
2502	**Citrazinic acid** (2,6-dihydroxy-4-pyridinecarboxylic acid) **Fotopur®** $C_6H_5NO_4$ MW 155.11	2.7	1 kg 5 kg	105.— 475.—	
244	Citric acid GR $C_6H_8O_7 \cdot H_2O$ MW 210.14 CERTIFICATE OF GUARANTEE: Assay of $C_6H_8O_7 \cdot H_2O$. min. 99.5 % Residue on ignition (as sulfates) . . max. 0.01 % Chloride (Cl) . . max. 0.001 % Sulfate (SO_4) . . max. 0.005 % Oxalate (C_2HO_4) max. 0.05 % Tartrate . . . . passes test Heavy metals (as Pb) . . . max. 0.0005% Iron (Fe) . . . . max. 0.0003% Phosphate . . . . max. 0.001 %	1.3	P 500 g 1 kg 5 kg 50 kg	5.80 9.50 38.50	5.70
	Citric acid buffer substance see Citric acid GR				
247	**Citric acid** anhydrous fine-granular extra pure DAB 7 $C_6H_8O_7$ MW 192.13	1.4	P 1 kg 5 kg 9051/50 kg	7.60 29.—	4.45
241	**Citric acid** anhydrous powder extra pure DAB 7 $C_6H_8O_7$ MW 192.13	1.3	P 1 kg 5 kg 9051/50 kg	7.60 29.—	4.55
242	**Citric acid** small cryst. extra pure DAB 6, BP 1968, Cod Franç 1949, JP VII, USP XVII $C_6H_8O_7 \cdot H_2O$ MW 210.14 TYPE ANALYSIS: Assay (acidimetric) . . 99 % Chloride (Cl) . . . . 0.002% Sulfate (SO_4) . . . . . 0.01 % Oxalate (C_2HO_4) . . . 0.05 % Heavy metals (as Pb) . 0.002% Iron (Fe) . . . . . 0.002% Residue on ignition . . 0.02 % Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.3	P 1 kg 5 kg 9051/50 kg	7.10 26.75	4.05

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
243	**Citric acid** powder extra pure DAB 6, BP 1968, JP VII, USP XVII $C_6H_8O_7 \cdot H_2O$ MW 210.14 TYPE ANALYSIS: Assay (acidimetric) . . 99 % Chloride (Cl) . . . . 0.002% Sulfate (SO_4) . . . . . 0.01 % Oxalate (C_2HO_4) . . . 0.05 % Heavy metals (as Pb) . 0.002% Iron (Fe) . . . . . 0.002% Residue on ignition . . 0.02 %	1.4	P P P	1 kg 5 kg 9051/50 kg	7.10 26.75	4.20
2508	**Clarocarbon® F** activated charcoal for correcting the colour of wine	3.5	P P P	1 kg 5 kg 9026/25 kg	8.— 32.50 price on application	
2509	**Clarocarbon® G** activated charcoal for correcting odour and taste of wine	3.5	P P P	1 kg 5 kg 25 kg	8.40 34.75 price on application	
	Clayton yellow see Titan yellow					
	Clearing oil see 1-Bromonaphthalene solution					
	Clelands reagent see 1,4-Dithioerythrite					
3136	**Clerici's solution** [thallium(I) formate and malonate] (d 20°/4° 4.03–4.04) for separation of minerals (LAB) 1 l = 4.03 kg			5 ml 25 ml	4.40 30.50	
116	**Clostridium agar** (RCM) for microbiology (50 g for 1 litre of culture medium)	1.7		50 g 500 g 10 x 500 g	6.25 42.50 40.	
111	**Clostridium culture medium** (RCM) semi-solid for microbiology (33 g for 1 litre of culture medium)	1.7		33 g 500 g 10 x 500 g	4.75 35. 33	
3100	**Clostridium selective agar** for microbiology (44 g for 1 litre of culture medium)	1.7		44 g 500 g 10 x 500 g	5.50 40 34	
3161	**Clostridium selective medium** (basic medium) acc. to Levetzow (sulfite azide thioglycollate agar; SAT-agar) for microbiology (37.5 g for 1 litre of culture medium)	1.9		0038/37.5 g 500 g 10 x 500 g	5.75 40 36	
5451	**Coal tar solution** DAB 6 1 l = 0.92 kg			1 l 2½ l Minimum quantity: 2 l	11.— 22.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2529	**Cobalt(II) acetate** GR $(CH_3COO)_2Co \cdot 4\,H_2O$ MW 249.08 CERTIFICATE OF GUARANTEE: Assay of $(CH_3COO)_2Co \cdot 4\,H_2O$ . . . . . min. 99 % pH (5% solution) 6–8 Chloride (Cl) . . max. 0.001 % Sulfate (SO_4) . . max. 0.005 % Total nitrogen (N) max. 0.002 % Lead (Pb) . . . . max. 0.0005% Copper (Cu) . . . max. 0.0005% Nickel (Ni) . . . max. 0.02 % Zinc (Zn) . . . . max. 0.001 % Iron (Fe) . . . . max. 0.001 % Substances not precipitated by H_2S (as sulfates) . max. 0.2 %	1.4	P	100 g 250 g	11.50 27.—	
2530	**Cobalt(II) acetate** pure $(CH_3COO)_2Co \cdot 4\,H_2O$ MW 249.08 TYPE ANALYSIS: Assay of $(CH_3COO)_2Co \cdot 4\,H_2O$ (chelatometric) . . . 99 % Chloride (Cl) . . . . . 0.005% Sulfate (SO_4) . . . . . 0.01 % Lead (Pb) . . . . . 0.001% Nickel (Ni) . . . . . 0.1 % Iron (Fe) . . . . . 0.01 %	1.4	P	250 g 1 kg 5 kg 25 kg	9.50 30.— 135.— price on application	
2527	**Cobalt(II) acetylacetonate** for synthesis (LAB) $C_{10}H_{14}CoO_4$ MW 257.16	1.5	P	100 g 500 g	25.50 110.—	
2528	**Cobalt(III) acetylacetonate** for synthesis (LAB) $C_{15}H_{21}CoO_6$ MW 356.26	1.5		100 g 500 g	25.50 110.—	
2550	**Cobalt aluminium alloy** powder (50% Co, 50% Al) hydrogenation catalyst (LAB)	0.5		100 g	12.50	

Cobalt black see Cobalt(III) oxide

Cobalt carbonate basic see Cobalt(II) hydroxide carbonate

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
539	□	**Cobalt(II) chloride** GR $CoCl_2 \cdot 6H_2O$ MW 237.93 CERTIFICATE OF GUARANTEE: Assay of $CoCl_2 \cdot 6H_2O$ min. 99% Sulfate (SO_4) . . max. 0.005 % Lead (Pb) . . . . max. 0.0005% Copper (Cu) . . max. 0.0005% Nickel (Ni) . . . max. 0.005 % Iron (Fe) . . . . max. 0.001 % Manganese (Mn) max. 0.001 % Zinc (Zn) . . . . max. 0.002 % Substances not precipitated by H_2S (as sulfates) . max. 0.2 %	1.1	P	100 g 250 g 1 kg	[illegible] [illegible] [illegible]	
2533	○	**Cobalt(II) chloride** extra pure $CoCl_2 \cdot 6H_2O$ MW 237.93 TYPE ANALYSIS: Assay of $CoCl_2 \cdot 6H_2O$ (chelatometric) . . . 99 % Sulfate (SO_4) . . . . 0.01 % Lead (Pb) . . . . . 0.002% Nickel (Ni) . . . . . 0.15 % Iron (Fe) . . . . . 0.01 % Zinc (Zn) . . . . . 0.05 % Substances not precipitated by ammonium sulfide (as sulfates) . . . . 0.3 %	1.1	P □	100 g 250 g 1 kg 25 kg	5.25 10.50 34.50	 price on application
2532	○	**Cobalt(II) chloride** pure $CoCl_2 \cdot 6H_2O$ MW 237.93 TYPE ANALYSIS: Assay of $CoCl_2 \cdot 6H_2O$ (chelatometric) . . . 98 % Sulfate (SO_4) . . . . . 0.01% Lead (Pb) . . . . . 0.03% Nickel (Ni) . . . . . 0.25% Iron (Fe) 0.02%	1.1	P □	250 g 1 kg 5 kg 25 kg	8.25 26.— 115.—	 price on application
2551		**Cobalt(II) hydroxide carbonate** [cobalt(II) carbonate basic] extra pure TYPE ANALYSIS: Assay of Co (chelatometric) . . . 47 % Sulfate (SO_4) . . . . 0.05 % Lead (Pb) . . . . . 0.005% Nickel (Ni) . . . . . 0.02 % Iron (Fe) . . . . . 0.01% Zinc (Zn) . . . . . 0.02% Substances not precipitated by ammonium sulfide (as sulfates) . . . . 1.5 %	1.4	P	100 g 1 kg	15.25 125.—	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2554	○	**Cobalt(II) nitrate** (max. 0.001% Ni) GR $Co(NO_3)_2 \cdot 6\,H_2O$ MW 291.04 CERTIFICATE OF GUARANTEE: Assay of $Co(NO_3)_2 \cdot 6\,H_2O$ min. 99% Chloride (Cl) . . max. 0.005% Sulfate (SO_4) . . max. 0.005% Lead (Pb) . . . . max. 0.001% Copper (Cu) . . . max. 0.001% Nickel (Ni) . . . . max. 0.001% Iron (Fe) . . . . max. 0.001% Manganese (Mn) . max. 0.005% Zinc (Zn) . . . . max. 0.005% Substances not precipitated by H_2S (as sulfates) . . max. 0.2 %	1.2	P	25 g 100 g 250 g	4.50 11.75 27.—	
2536	○	**Cobalt(II) nitrate** GR $Co(NO_3)_2 \cdot 6\,H_2O$ MW 291.04 CERTIFICATE OF GUARANTEE: Assay of $Co(NO_3)_2 \cdot 6\,H_2O$ (chelatometric) min. 99 % Substances insoluble in water . . . . max. 0.01 % Chloride (Cl) . . max. 0.005% Sulfate (SO_4) . . max. 0.005% Lead (Pb) . . . . max. 0.001% Copper (Cu) . . max. 0.001% Iron (Fe) . . . . max. 0.001% Manganese (Mn) . max. 0.005% Zinc (Zn) . . . . max. 0.005% Substances not precipitated by hydrogen sulfide (as sulfates) . . max. 0.2 %	1.2	P	100 g 250 g 1 kg	5.50 11.— 36.—	
2535	○	**Cobalt(II) nitrate** cryst. extra pure $Co(NO_3)_2 \cdot 6\,H_2O$ MW 291.04 TYPE ANALYSIS: Assay of $Co(NO_3)_2 \cdot 6\,H_2O$ (chelatometric) . . . 99 % Chloride (Cl) . . . . . 0.005% Sulfate (SO_4) . . . . 0.01 % Lead (Pb) . . . . . 0.002% Nickel (Ni) . . . . . 0.15 % Iron (Fe) . . . . . 0.005% Zinc (Zn) . . . . . 0.025% Substances not precipitated by ammonium sulfide (as sulfates) . . . . 0.5 %	1.1	P	250 g 1 kg	9.— 28.50	
2534	○	**Cobalt(II) nitrate** cryst. pure $Co(NO_3)_2 \cdot 6\,H_2O$ MW 291.04 TYPE ANALYSIS: Assay of $Co(NO_3)_2 \cdot 6\,H_2O$ (chelatometric) . . . 97 % Chloride (Cl) . . . . . 0.005% Sulfate (SO_4) . . . . . 0.02% Nickel (Ni) . . . . . 0.3 % Iron (Fe) 0.01%	1.1	P □	250 g 1 kg 5 kg 25 kg	7.50 23.— 105.—	 price on application
2544		**Cobalt oxide** GR (for determination of sulfur) Co_3O_4 MW 240.80 CERTIFICATE OF GUARANTEE: Assay of Co . . . min. 71% Sulfur total (S) . . max. 0.001% Lead (Pb) . . . . max. 0.001% Iron (Fe) . . . . max. 0.01 %	1.4	P	25 g 100 g	6.— 17.50	
2543		**Cobalt oxide** Co_3O_4 MW 240.80	0.9	 ▯ ▯	250 g 1 kg 5 kg 25 kg	14.— 47.— 210.—	 price on application

Cobalt(III) sodium nitrite
see Sodium hexanitrocobaltate(III)

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
556	**Cobalt(II) sulfate** GR $CoSO_4 \cdot 7\,H_2O$ MW 281.10 CERTIFICATE OF GUARANTEE: Assay of $CoSO_4 \cdot 7\,H_2O$ min. 99 % Chloride (Cl) . . max. 0.001 % Total nitrogen (N) max. 0.002 % Lead (Pb) . . . max. 0.0005% Copper (Cu) . . max. 0.001 % Iron (Fe) . . . . max. 0.0005% Nickel (Ni) . . . max. 0.005 % Zinc (Zn) . . . . max. 0.005 % Calcium (Ca) . . max. 0.005 % Sodium (Na) . . max. 0.05 %	1		100 g 250 g	7.25 15.50	
2555	**Cobalt(II) sulfate** (max. 0.01% Ni) extra pure $CoSO_4 \cdot 7\,H_2O$ MW 281.10 TYPE ANALYSIS: Assay of $CoSO_4 \cdot 7\,H_2O$ (chelatometric) . . . 99 % Chlorid (Cl) . . . . . 0.005% Lead (Pb) . . . . . 0.002% Nickel (Ni) . . . . . 0.01 % Iron (Fe) . . . . . 0.002% Zinc (Zn) . . . . . 0.01 % Substances not precipitated by ammonium sulfide (as sulfates) . . . . 0.5 %	1	P	**100 g** **250 g** **1 kg**	6.75 14.— 47.50	
2546	**Cobalt(II) sulfate** $CoSO_4 \cdot 7\,H_2O$ MW 281.10 TYPE ANALYSIS: Assay of $CoSO_4 \cdot 7\,H_2O$ (chelatometric) . . . 99 % Chloride (Cl) . . . . . 0.05 % Lead (Pb) . . . . . 0.005% Iron (Fe) 0.005%	1	P P	**250 g** **1 kg** **5 kg** **50 kg**	6.75 20.— 90.— **price on application**	
	Cocainium chloride see page 482					
2334	**Cocarboxylase** (chloride) (thiaminium diphosphoric acid ester chloride) for biochemistry (LAB) $C_{12}H_{19}ClN_4O_7P_2S$ MW 460.77	2.5		5 g	9.50	
0112	**Cocarboxylase** (chloride) (thiaminium diphosphoric acid ester chloride) $C_{12}H_{19}ClN_4O_7P_2S$ MW 460.77 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2.1		**25 g** **100 g** **250 g** **1 kg**	**prices on application**	
2335	**Cocarboxylase tetrahydrate** (thiaminium diphosphoric acid ester tetrahydrate) for biochemistry (LAB) $C_{12}H_{18}N_4O_7P_2S \cdot 4\,H_2O$ MW 496.37			5 g	9.50	
00111	**Cocarboxylase tetrahydrate** (thiaminium diphosphoric acid ester tetrahydrate) $C_{12}H_{18}N_4O_7P_2S \cdot 4\,H_2O$ MW 496.37 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.7		**25 g** **100 g** **1 kg**	**prices on application**	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2566	**Cochineal red A** (C. I. No. 16255, S. No. 213) food dye E 124 $C_{20}H_{11}N_2Na_3O_{10}S_3$ MW 604.48	2		100 g	6.—	
	Codecarboxylase see Pyridoxal 5′-phosphate					
	Codecarboxylase monosodium salt see Pyridoxal 5′-phosphate monosodium salt					
	Codeine see page 482					
2599	**Colaminphenolphthalein phosphate** for determination of phosphatase $C_{28}H_{44}N_4O_{14}P_2$ MW 722.63 CERTIFICATE OF GUARANTEE: Substances insoluble in water . . . . passes test Water (acc. to Karl Fischer) . . max. 1% Suitability for determination of phosphatase . passes test	2.5		0.37 g 5 g	4.— 19.50	
2597	**Colchicine** DAB 7 $C_{22}H_{25}NO_6$ MW 399.45	5		0.1 g 0.5 g 1 g 5 g	5.50 19.— 36.— 160.—	
2600	**Colchicine** cryst. extra pure DAB 6 $C_{22}H_{25}NO_6 \cdot 0.5\,CHCl_3$ MW 459.14	5		0.1 g 0.5 g 1 g 5 g	5.— 17.— 32.— 140.—	
24014	**Collagen** (from Achilles tendon) lyophilised, for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.			10 g	42.50	
24015	**Collagenase** (bacterial) chromatographically purified lyophilised 200 units/mg, for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.			10 mg	60.—	
2635	**2,4,6-Collidine** GR $C_8H_{11}N$ MW 121.18 1 l = 0.91 kg CERTIFICATE OF GUARANTEE: Assay (gas chromatographic) . . . . min. 99% d 20°/4° . . . . . 0.914–0.916 Refractive index ($n_D^{20°}$) . . . . . 1.498–1.500 Boiling-range (95%) 169–171° C			50 ml 250 ml 1 l	6.— 20.50 70.—	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2644	•I•	**Collodion** 4% DAB 6 1 l = 0.75 kg		500 ml 1 l 5 l 50 kg	4.75 7.10 27.25	5.50
3113		**Colour developer 1 chloride** (*N*,*N*-Diethyl-*p*-phenylene-diamine hydrochloride) **Fotopur®** $C_{10}H_{17}ClN_2$ MW 200.71	2.1	100 g 1 kg 2½ kg 25 kg	7.50 58.— 124.—	42.—
3112		**Colour developer 1 sulfate** (*N*,*N*-Diethyl-*p*-phenylene-diamine sulfate) **Fotopur®** $C_{10}H_{18}N_2O_4S$ MW 262.32	1.8	250 g 1 kg 2½ kg 25 kg	10.50 32.50 71.—	23.75
		Colour developer 1 sulfate see also *N*,*N*-Diethyl-*p*-phenylenediamine sulfate				
1109		**Colour developer 2** (*N*⁴,*N*⁴-diethyl-2-methyl-*p*-phenylenediamine hydrochloride) **Fotopur®** $C_{11}H_{19}ClN_2$ MW 214.74	2.1	1 kg 5 kg 25 kg	61.— 265.—	price on application
790		**Colour developer 3** (*N*{2-*N*[-ethyl-*N*-(4-amino-3-methyl-phenyl)-amino]-ethyl}-methanesulfonamide sesquisulfate (monohydrate)) **Fotopur®** $C_{12}H_{21}N_3O_2S \cdot 1.5\,H_2SO_4 \cdot H_2O$ MW 436.52	1.5	1 kg 5 kg 25 kg	102.— 475.—	price on application
14/0001		**Congo paper** (booklet cont. 100 strips)		10 booklets 5 x 10 booklets	booklet .63 —.58	
1340		**Congo red** (C. I. No. 22 120, S. No. 360) indicator $C_{32}H_{22}N_6Na_2O_6S_2$ MW 696.68 pH 3.0–5.2 blueviolet to red-orange		25 g 100 g 1 kg	2.50 4.90 22.—	
2686		**Convallatoxin** cryst. for biochemistry (LAB) $C_{29}H_{42}O_{10}$ MW 550.65 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.		0.1 g	31.50	
2687		**Convallatoxin** cryst. $C_{29}H_{42}O_{10}$ MW 550.65	4	1 g	137.—	
9405	•I•	**Conversion solution** for haemoglobin determinations (reagent solution)		500 ml 1 l	9.—	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2700	**Copper** foil 0.1 mm (LAB) Cu AW 63.54 TYPE ANALYSIS: Assay (electrolytic) . . 99.5 % Silver (Ag) . . . . . 0.002% Lead (Pb) . . . . . 0.05 % Tin (Sn) . . . . . 0.01 % Antimony (Sb) . . . . 0.005 % Iron (Fe) . . . . . 0.005 % Manganese (Mn) . . . 0.005 % Arsenic (As) 0.0002%		P	250 g 1 kg	7.75 24.25	
2703	**Copper** powder GR Cu AW 63.54 CERTIFICATE OF GUARANTEE: Assay (electrolytic) . min. 99.9 % Silver (Ag) . . . max. 0.001 % Lead (Pb) . . . max. 0.005 % Tin (Sn) . . . . max. 0.001 % Antimony (Sb) . . max. 0.001 % Iron (Fe) . . . . max. 0.002 % Manganese (Mn) max. 0.001 % Arsenic (As) . . max. 0.0001% Phosphorus (P) . max. 0.001 %	0.55	P	250 g 1 kg	8.25 25.25	
2715	**Copper** powder electrolytic Cu AW 63.54 TYPE ANALYSIS: Assay (electrolytic) . . 99.8 % Silver (Ag) . . . . . 0.002 % Lead (Pb) . . . . . 0.02 % Tin (Sn) . . . . . 0.005 % Antimony (Sb) . . . . 0.005 % Iron (Fe) . . . . . 0.005 % Manganese (Mn) . . . 0.005 % Arsenic (As) 0.0002%	0.55	P P P □	250 g 1 kg 5 kg 50 kg	7.— 21.— 91.—	 price on application
2701	**Copper** wire for elementary analysis (carbon dioxide-protected) Cu AW 63.54		P	250 g	65.—	
2711	**Copper(II) acetate** GR $(CH_3COO)_2Cu \cdot H_2O$ MW 199.65 CERTIFICATE OF GUARANTEE: Assay of $(CH_3COO)_2Cu \cdot H_2O$ . . . . . min. 99 % Chloride (Cl) . . max. 0.001% Sulfate (SO_4) . . max. 0.01 % Total nitrogen (N) max. 0.03 % Lead (Pb) . . . . max. 0.004% Nickel (Ni) . . . max. 0.002% Iron (Fe) . . . . max. 0.002% Zinc (Zn) . . . . max. 0.002% Substances not precipitated by hydrogen sulfide (as sulfates) . . max. 0.1 %	1.1	P P P	100 g 250 g 1 kg	5.— 10.50 35.25	
2710	**Copper(II) acetate** cryst. Erg B 6 $(CH_3COO)_2Cu \cdot H_2O$ MW 199.65	1.1	P P P □	500 g 1 kg 5 kg 9051/50 kg	7.25 12.75 53.—	 price on application

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
712	**Copper(II) acetylacetonate** for synthesis (LAB) $C_{10}H_{14}CuO_4$ MW 261.76	0.5		100 g 500 g	11.— 44.—	
	Copper(II) ammonium chloride see Ammonium copper(II) chloride					
	Copper(II) carbonate basic see Copper(II) hydroxide carbonate					
739	**Copper(I) chloride** GR CuCl MW 98.99 CERTIFICATE OF GUARANTEE: Assay of CuCl . . min. 98 % Substances insoluble in acid max. 0.02 % Sulfate (SO_4) . . max. 0.04 % Lead (Pb) . . . . max. 0.02 % Iron (Fe) . . . . max. 0.002 % Arsenic (As) . . max. 0.0001% Substances not precipitated by hydrogen sulfide (as sulfate) . . max. 0.2 %	0.7		100 g 250 g 1 kg 5 kg	5.50 11.25 36.25 160.—	
738	**Copper(I) chloride** pure CuCl MW 98.99	0.7	P	250 g 1 kg 5 kg 50 kg	7.50 23.25 99.—	 price on application
[illegible]	**Copper(I) chloride solution** ammoniacal for carbon monoxide adsorption [14.5% copper(I) chloride] 1 l = 1.14 kg			500 ml 2½ l	[illegible]	
[illegible]	**Copper(II) chloride** GR $CuCl_2 \cdot 2\,H_2O$ MW 170.48 CERTIFICATE OF GUARANTEE: Assay of $CuCl_2 \cdot 2\,H_2O$ min. 99 % Sulfate (SO_4) . . max. 0.005 % Total nitrogen (N) max. 0.004 % Iron (Fe) . . . . max. 0.0005% Lead (Pb) . . . . max. 0.004 % Nickel (Ni) . . . max. 0.001 % Arsenic (As) . . max. 0.0002% Substances not precipitated by hydrogen sulfide (as sulfates) . . max. 0.1 %	0.8		100 g 250 g 1 kg	[illegible]	
2732	**Copper(II) chloride** cryst. (max. 0.0008% As) pure $CuCl_2 \cdot 2\,H_2O$ MW 170.48	0.9	P	250 g 1 kg 5 kg 50 kg	6.25 18.75 82.—	 price on application
731	**Copper(II) chloride** cryst. pure $CuCl_2 \cdot 2\,H_2O$ MW 170.48	0.9	P	250 g 1 kg 5 kg 50 kg	6.— 17.75 76.—	 price on application

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2728	**Copper-chromium oxide** powder hydrogenation catalyst (LAB)	1.7	100 g	8.—	
2741	**Copper(I) cyanide** 69–71% Cu CuCN MW 89.56 TYPE ANALYSIS: Assay of Cu . . . . . 69 % Sulfate (SO_4) . . . . . 0.005% Lead (Pb) . . . . . 0.005% Iron (Fe) . . . . . 0.01 % Cadmium (Cd) 0.005%	1.6	250 g 1 kg 5 kg 50 kg	6.60 18.75 77.— price on application	
2722	**Copper(II) hydroxide carbonate** extra pure $CuCO_3 \cdot Cu(OH)_2$ MW 221.10	2.3	250 g 1 kg 5 kg 50 kg	7.50 21.— 91.— price on application	
2720	**Copper(II) hydroxide carbonate** technical $CuCO_3 \cdot Cu(OH)_2$ MW 221.10	2.5	1 kg 5 kg 50 kg	12.75 55.— price on application	
2748	**Copper(I) iodide** CuI MW 190.44	0.7	100 g 1 kg 5 kg	7.25 53.— 230.—	
2753	**Copper(II) nitrate** GR $Cu(NO_3)_2 \cdot 3\,H_2O$ MW 241.60 CERTIFICATE OF GUARANTEE: Assay of $Cu(NO_3)_2 \cdot 3\,H_2O$ min. 99.5% Chloride (C) . . max. 0.0005% Sulfate (SO_4) . . max. 0.005 % Lead (Pb) . . . . max. 0.002 % Nickel (Ni) . . . max. 0.002 % Iron (Fe) . . . . max. 0.002% Zinc (Zn) . . . . max. 0.001% Substances not precipitated by hydrogen sulfide (as sulfates) . max. 0.05 %	0.8	250 g 1 kg	6.25 19.75	
2752	**Copper(II) nitrate** cryst. extra pure $Cu(NO_3)_2 \cdot 3\,H_2O$ MW 241.60 TYPE ANALYSIS: Assay of $Cu(NO_3)_2 \cdot 3\,H_2O$ . . 99 % Chloride (Cl) . . . . . 0.003% Sulfate (SO_4) . . . . . 0.01 % Lead (Pb) . . . . . 0.005% Iron (Fe) . . . . . 0.01 % Substances not precipitated by hydrogen sulfide (as sulfates) . . . . 0.1 %	1	500 g 1 kg 5 kg 25 kg	7.25 12.25 51.— price on application	
2751	**Copper(II) nitrate** cryst. pure $Cu(NO_3)_2 \cdot 3\,H_2O$ MW 241.60	1	500 g 1 kg 5 kg 25 kg	6.60 11.25 46.25 price on application	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
0	**Copper(II) nitrate** cryst. technical $Cu(NO_3)_2 \cdot 3\,H_2O$ MW 241.60	1	P	1 kg	10.50	
				5 kg	41.75	
				50 kg		price on application
7	**Copper oxide** wire for elementary analysis (surface: CuO; core Cu_2O; acts as CuO contact in elementary analysis) CERTIFICATE OF GUARANTEE: Assay of Cu_2O . . about 80% Assay of CuO . . about 20% Free alkali . . . passes test Chloride (Cl) . . max. 0.004% Total sulfur (as SO_4) . . . max. 0.01 % Total nitrogen (N) max. 0.005% Carbon (C) . . . max. 0.01 % Substances not precipitated by hydrogen sulfide (as sulfates) . . max. 0.2 %	0.4	P	100 g	5.25	
				250 g	10.25	
				1 kg	32.50	
5	**Copper oxide** wire fine for elementary analysis (surface: CuO; core Cu_2O; acts as CuO contact in elementary analysis)	0.5	P	250 g	16.25	
				1 kg	55.—	
63	**Copper oxide** wire (surface: CuO; core: Cu_2O)	0.4	P	250 g	8.50	
				1 kg	27.—	
				5 kg	116.—	
04	**Copper(II) oxide** granular for elementary analysis CuO MW 79.54		P	250 g	16.—	
	Copper(II) oxide granular GR CuO MW 79.54 CERTIFICATE OF GUARANTEE: Assay of CuO . . min. 99 % Substances soluble in water . . . . max. 0.02 % Substances insoluble in dilute sulfuric acid . . . . . max. 0.02 % Free alkali . . . passes test Chloride (Cl) . . max. 0.004% Total sulfur (as SO_4) . . . max. 0.01 % Total nitrogen (N) max. 0.002% Carbon (C) . . . max. 0.01 % Substances not precipitated by hydrogen sulfide (as sulfates) . . max. 0.25 %	0.55	P	100 g	6.30	
				250 g	13.25	
				1 kg	44.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2766	**Copper(II) oxide** powder GR CuO MW 79.54 CERTIFICATE OF GUARANTEE: Assay of CuO . . min. 99 % Substances soluble in water . . . . max. 0.02 % Substances insoluble in dilute sulfuric acid . . . . . max. 0.02 % Free alkali . . . passes test Chloride (Cl) . . max. 0.004% Total sulfur (as SO_4) . . . . max. 0.01 % Total nitrogen (N) max. 0.002% Carbon (C) . . . max. 0.05 % Lead (Pb) . . . . max. 0.005% Substances not precipitated by hydrogen sulfide (as sulfates) . . max. 0.25 %	1.9	100 g 250 g 1 kg	6.30 13.25 44.—	
2761	**Copper(II) oxide** powder pure CuO MW 79.54	1.3	250 g 1 kg 5 kg 25 kg	8.80 28.— 120.—	price on application
2760	**Copper(II) oxide** technical CuO MW 79.54	0.4	1 kg 5 kg 50 kg	13.75 58.—	price on application
	Copper(I) potassium cyanide see Potassium copper(I) cyanide				
9409	**Copper reagent A** for photometric determination of blood sugar acc. to Frank-Kirberger 1 l = 1.00 kg		P 500 ml 1 l	4.50 7.25	
9410	**Copper reagent B** for photometric determination of blood sugar acc. to Frank-Kirberger 1 l= 1.08 kg		P 500 ml 1 l	7.25 12.—	
	Copper reagent for determination of blood sugar see Folin-Wu's copper reagent				

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
100	**Copper(II) sulfate** GR $CuSO_4 \cdot 5H_2O$ MW 249.68 CERTIFICATE OF GUARANTEE: Assay of $CuSO_4 \cdot 5H_2O$ min. 99 % Substances insoluble in water . . . max. 0.005 % Chloride (Cl) . . max. 0.0005% Total nitrogen (N) max. 0.004 % Lead (Pb) . . . . max. 0.005 % Nickel (Ni) . . . max. 0.002 % Iron (Fe) . . . . max. 0.003 % Zinc (Zn) . . . . max. 0.03 % Substances not precipitated by hydrogen sulfide (as sulfates) . . max. 0.1 %	0.7	P P P P	250 g 1 kg 5 kg 50 kg	5.25 14.50 41.— price on application
101	**Copper(II) sulfate** anhydrous GR $CuSO_4$ MW 159.60 CERTIFICATE OF GUARANTEE: Assay of $CuSO_4$. min. 99 % Chloride (Cl) . . max. 0.01 % Total nitrogen (N) max. 0.01 % Lead (Pb) . . . . max. 0.01 % Nickel (Ni) . . . . max. 0.005% Iron (Fe) . . . . max. 0.01 % Zinc (Zn) . . . . max. 0.05 % Substances not precipitated by hydrogen sulfide (as sulfates) . . . . . 0.2 % Loss on drying (110° C) . . . . max. 0.5 %	1	P P	250 g 1 kg	9.60 31.50
12789	**Copper(II) sulfate Selectipur®** $CuSO_4 \cdot 5H_2O$ MW 249.68	0.8	P P	1 kg 5 kg	prices on application
12787	**Copper(II) sulfate** cryst. extra pure DAB 6, NF XII $CuSO_4 \cdot 5H_2O$ MW 249.68	0.8	P P P P	500 g 1 kg 5 kg 9051/50 kg	5.— 8.— 32.— price on application
12788	**Copper(II) sulfate** powder extra pure $CuSO_4 \cdot 5H_2O$ MW 249.68	1.1	P P P P	500 g 1 kg 5 kg 9051/50 kg	5.25 8.50 34.25 price on application
12782	**Copper(II) sulfate** fine powder crude $CuSO_4 \cdot 5H_2O$ MW 249.68	1.5	P P P	1 kg 5 kg 9051/50 kg	6.60 25.75 price on application
12780	**Copper(II) sulfate** fine cryst. technical $CuSO_4 \cdot 5H_2O$ MW 249.68	0.8	P P P	1 kg 5 kg 9051/50 kg	6.10 23.25 price on application
36.0001	**0.1 M Copper sulfate solution Titrisol** concentrated solution for preparation of 1 litre of 0.1 M solution			ampoule	2.—

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Copper(II) sulfate solution see Fehling's reagent				
	Copper(II) tartrate alkaline solution see Fehling's reagent				
	Copperone see Cupferron				
	Cortexolone see Reichstein's substance "S"				
	Cortexone see 11-Deoxycorticosterone				
	Cortexone acetate see 11-Deoxycorticosterone acetate				
8976	**Corticosterone** (11β,21-dihydroxy-4-pregnene-3,20-dione) for biochemistry (LAB) $C_{21}H_{30}O_4$ MW 346.47	3	0,1 g 1 g	6.30 42.—	
3674	**Corticosterone acetate** (21-acetoxy-11β-hydroxy-4-pregnene-3,20-dione) (LAB) $C_{23}H_{32}O_5$ MW 388.51	3	1 g 10 g	36.75 315.	
	Cortisol see Hydrocortisone				
8960	**Cortisone** (17α,21-dihydroxy-4-pregnene-3,11,20-trione) for biochemistry (LAB) $C_{21}H_{28}O_5$ MW 360.45	3	1 g	12.25	
501872	**Cortisone** (17α,21-dihydroxy-4-pregnene-3,11,20-trione) Reagent USP XVII $C_{21}H_{28}O_5$ MW 360.45	2.5	100 g 250 g 1 kg	prices on application	
5416	**Corynebacterium-selective agar** (base) for microbiology (42 g for 1 litre of culture medium)	1.7	42 g 500 g 10 x 500 g	4.75 35 33	
2695	**Coumarin** cryst. Erg B 6 $C_9H_6O_2$ MW 146.15	1.6	250 g 1 kg 5 kg	15.25 52.— 220.—	

		Volume		Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
				DM	DM
	Count agar for the mineral oil industry for microbiology (21 g for 1 litre of culture medium)	2.6	21 g 500 g 10 x 500 g	4.— 37.50 35.	
	Count agar (Casein-peptone glucose yeast-extract agar) for milk bacteriology (20 g for 1 litre of culture medium)	2	20 g 500 g 10 x 500 g	4. 37.50 35.—	
	Cover glass cement acc. to Krönig for microscopy	2	100 g	5.—	
5	**Creatine** (monohydrate) $C_4H_9N_3O_2 \cdot H_2O$ MW 149.15 TYPE ANALYSIS: Assay (ex N; on dried substance) . . . . 99% Substances soluble in ethanol . . 1 % Chloride (Cl) . . . . . 0.01 % Heavy metals (as Pb) . 0.001 % Foreign organic substances passes test Loss on drying (105° C) . . . . . 11.8–12.4% Sulfated ash . . . 0.05 %	2	25 g 1 kg	6.80 200.—	
	Creatinine for determination of creatinine in blood $C_4H_7N_3O$ MW 113.12 CERTIFICATE OF GUARANTEE: Assay (ex N; on dried substance) . . . . min. 99% Melting-range (de-composition) . . 250–270°C Chloride (Cl) . . max. 0.1 % Sulfate (SO_4) . . max. 0.001 % Sulfated ash . . max. 0.05 % Heavy metals (as Pb) . . . . max. 0.001 % Iron (Fe) . . . . max. 0.0005% Ammonium (NH_4) not detectable Loss on drying . max. 0.05 %	1.8	5 g 25 g 100 g	4.— 10.50 33.75	
3	**Creatinine** $C_4H_7N_3O$ MW 113.12	1.6	25 g 100 g 1 kg	8.50 26.25 220.—	
0	**Creosote** 1 l = 1.08 kg TYPE ANALYSIS: Boiling-range . . . 200–236° C d 20°/4° . . . . . 1.079–1.083 Refractive index ($n_D^{20°}$) . . . . . 1.538–1.541 Sulfated ash 0.01%		250 ml 1 l 2½ l 20 kg	6.30 19.— 41.—	15.25

p-Cresidine see 2-Methoxy-4-methylaniline

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
9692	**o-Cresol** for synthesis (LAB) C_7H_8O MW 108.14 1 l = 1.04 kg TYPE ANALYSIS: d 20°/4° (melted substance) 1.046 Melting-point . . . 29–31° C Boiling-point . . . 189–191° C Chromatographic analysis . . free from *m*- and *p*-cresol			500 ml 6.10	
	m-**Cresol** for synthesis (LAB) C_7H_8O MW 108.14 1 l = 1.03 kg TYPE ANALYSIS: d 20°/4° . . . . . 1.033–1.035 Boiling-range . . . 200–203° C Non-phenolic substances . . . passes test			250 ml 6.80 1 l 19.50	
5223	*p*-**Cresol** for synthesis (ORG) C_7H_8O MW 108.14 1 l = 1.03 kg			500 ml 9.	
5228	*m*-**Cresol purple** indicator $C_{21}H_{18}O_5S$ MW 382.44 acid range pH 1.2–2.8 red to yellow alkaline range pH 7.4–9.0 yellow to purple	2		1 g 6.10	
5225	**Cresol red** indicator $C_{21}H_{18}O_5S$ MW 382.44 acid range pH 0.2–1.8 red to yellow alkaline range pH 7–8.8 orange to purple	1.8		5 g 4.— 25 g 13.—	
	o-Cresolsulfonphthalein see Cresol red				
	m-Cresolsulfonphthalein see m-Cresol purple				
5235	**Cresyl violet** for microscopy	1.5		5 g 3.75 25 g 10.50	
2667	**Crotonaldehyde** for synthesis (ORG) C_4H_6O MW 70.09 1 l = 0.85 kg			1 l 6.80	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
180		**Crotonic acid** for synthesis (LAB) $C_4H_6O_2$ MW 86.09	1 l	1 kg	13.25	
114	•|•	**Crotononitrile** for synthesis (ORG) C_4H_5N MW 67.09 1 l = 0.82 kg		100 ml	12.50	
554	•|•	**Crotyl alcohol** for synthesis (ORG) C_4H_8O MW 72.11 1 l = 0.87 kg		100 ml	10.75	
555	•|•	**Crotyl chloride** for synthesis (ORG) C_4H_7Cl MW 90.55 1 l = 0.93 kg		100 ml	10.–	
406		**Crystal violet** (C. I. No. 42 555, S. No. 785) indicator and for microscopy $C_{25}H_{30}ClN_3$ MW 407.99	1.8	25 g 100 g	3.75 8.–	
407		**Crystal violet** (C. I. No. 42 555, S. No. 785) $C_{25}H_{30}ClN_3$ MW 407.99	1.8	250 g 1 kg	13.75 49.50	
406		**Crystal-violet neutral-red bile agar** for microbiology (40 g for 1 litre of culture medium)	1.7	40 g 500 g 10 x 500 g	4.75 32.– 30.–	
		Crystal violet solution acc. to Neisser see Neisser's solution Ib				
745		**Cuivit**® vitamin granulate for canteen food vitamin supplementation	1.3	1 kg 5 kg	prices on application	
		Culture medium for clostrides see Clostridium culture medium				
		Culture medium for KCN see KCN test medium				
		Culture medium for LDC see LDC test medium				
		Culture medium malonate phenylalanine see Malonate phenylalanine test medium				
		Culture medium see Fungus culture medium				

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2681	•I•	**Cumene** for synthesis (ORG) C_9H_{12} MW 120.20 1 l = 0.86 kg			1 l	8.—	
		Cuminaldehyde see 4-*iso*-Propylbenzaldehyde					
5227		**Cupferron** GR $C_6H_9N_3O_2$ MW 155.16 CERTIFICATE OF GUARANTEE: Substances insoluble in water . . . . max. 0.01% Sulfated ash . . . max. 0.05% Sensitivity as reagent for Al . . . . . passes test	2.4		25 g 100 g	7.— 22.—	
		Cupric compounds see Copper(II) compounds					
		Cuprizone see Oxalic acid bis(cyclohexylidene hydrazide)					
		Cuproine see 2,2′-Biquinoline					
		Cupron see Benzoin α-oxime					
		Cuprous compounds see Copper(I) compounds					
9403	•I•	**Cyanide carbonate solution** for determination of blood sugar acc. to Neuweiler 1 l = 1.01 kg		P	500 ml	5.50	
4964	†	**Cyanide double salt** 74/76% NaCN (= 98/100% KCN) powder TYPE ANALYSIS: Assay of NaCN . . . . 74 % Assay of KCl . . . . . 24 % Sulfide (S) . . . . . 0.02% Thiocyanate (SCN) . . 0.01% Hexacyanoferrate(II) ($Fe[CN]_6^{-4}$) 0.05%	1.2		1 kg 5 kg 50 kg	5.75 22.—	 2.75
		Cyanmethemoglobin see Hemiglobin cyanide page 436					
2866		**Cyanoacetamide** for synthesis (LAB) $NCCH_2CONH_2$ MW 84.08 TYPE ANALYSIS: Assay . . . . . 99.3% Melting-point . . . 120–121° C Residue on ignition (as sulfates) 0.1%	2		250 g 1 kg	11.50 36.75	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Cyanocobalamin see Vitamin B_{12}				
	2-Cyanoethyl phosphoric acid barium salt see Barium-2-cyanoethyl phosphate				
491	**1-Cyanoguanidine** for synthesis (ORG) $C_2H_4N_4$ MW 84.08	2.5	1 kg		
	Cyanopyridine see Pyridinecarbonitrile				
815	**Cyanuric chloride** for synthesis (ORG) $C_3Cl_3N_3$ MW 184.41	1.5	250 g	7.50	
548	**Cyclobarbital** [5-(1-cyclohexenyl)-5-ethyl-barbituric acid] NF X $C_{12}H_{16}N_2O_3$ MW 236.27	1.9	100 g 1 kg	5.50 47.25	
549	**Cyclobarbital calcium** [5-(1-cyclohexenyl)-5-ethyl-barbituric acid calcium salt] DAB 7 $(C_{12}H_{15}N_2O_3)_2Ca$ MW 510.59	1.5	100 g 1 kg	5.50 47.25	
675	**Cyclododecanol** for synthesis (ORG) $C_{12}H_{24}O$ MW 184.32	2	100 g	9.50	
[illegible]	**Cyclododecanone** for synthesis (ORG) $C_{12}H_{22}O$ MW 182.31	4	100 g	11.25	
7818	**1,5,9-Cyclododecatriene** for synthesis (ORG) $C_{12}H_{18}$ MW 162.28 1 l = 0.90 kg		500 ml	15	
2881	**Cyclododecylamine** for synthesis (ORG) $C_{12}H_{25}N$ MW 183.34	2	10 g	9	
2460	**Cycloheptanol** for synthesis (ORG) $C_7H_{14}O$ MW 114.19 1 l = 0.95 kg		25 ml	9	
2462	**Cycloheptanone** for synthesis (ORG) $C_7H_{12}O$ MW 112.17 1 l = 0.95 kg		50 ml	17.50	

		Volume		Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
				DM	DM
[illegible]	**Cyclohexane** GR C_6H_{12} MW 84.16	1 l = 0.78 kg		500 ml	4.50
				aluminium bottle 1¼ l	9.50
	CERTIFICATE OF GUARANTEE: Assay (gas chromatographic) . . . . min. 99.5 % Benzene . . . . . max. 0.05 % Cyclohexane . . . max. 0.1 % Readily carbonisable substances . . . passes test Water . . . . . max. 0.01 % Non-volatile substances . . . max. 0.001%			standard box 8 x 1¼ l 5 l	28.50
[illegible]	**Cyclohexane** for fluorometry C_6H_{12} MW 84.16	1 l = 0.78 kg		1 l	25.—
[illegible]	**Cyclohexane** reference substance for gas chromatography C_6H_{12} MW 84.16			5 ml	21.—
2822	**Cyclohexane** for spectroscopy **Uvasol**® C_6H_{12} MW 84.16	1 l = 0.78 kg		500 ml	9.50
				1 l	17.25
				2½ l	36.75
	CERTIFICATE OF GUARANTEE: Suitability for UV spectroscopy (1-cm cell; reference : water) Transmittance at 210 nm . . . . . min. 15% 220 nm . . . . . min. 45% 230 nm . . . . . min. 75% 240 nm . . . . . min. 90% 260 nm . . . . . 100% Suitability for IR spectroscopy passes test				
2832	**Cyclohexane** C_6H_{12} MW 84.16	1 l = 0.78 kg		aluminium bottle 1¼ l	7.—
				standard box 8 x 1¼ l	
				2½ l	12.75
	Cyclohexane-d_{12} see Dodecadeuterocyclohexane				
	Cyclohexanealdehyde see Cyclohexanecarbaldehyde				
2288	**Cyclohexanecarbaldehyde** for synthesis (ORG) $C_7H_{12}O$ MW 112.17	1 l = 0.92 kg		50 ml	16.50
2823	**Cyclohexanecarbonitrile** for synthesis (ORG) $C_7H_{11}N$ MW 109.17	1 l = 0.91 kg		100 ml	8.75

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
71	•I•	**1,2-Cyclohexanediamine** for synthesis (ORG) $C_6H_{14}N_2$ MW 114.19	1 l = 0.95 kg	100 ml	10.50	
		1,2-Cyclohexanediamine-*N,N,N'N'*-tetraacetic acid see Titriplex® IV				
85		**1,2-Cyclohexanediol** for synthesis (ORG) mixture of *cis*- and *trans*-isomers $C_6H_{12}O_2$ MW 116.16	1.3	25 g		
93		**1,3-Cyclohexanediol** for synthesis (ORG) mixture of *cis*- and *trans*-isomers $C_6H_{12}O_2$ MW 116.16	1.3	25 g		
5b4		**1,4-Cyclohexanediol** for synthesis (ORG) mixture of *cis*- and *trans*-isomers $C_6H_{12}O_2$ MW 116.16	2	100 g	13.50	
		Cyclohexanehexol see *meso*-Inositol				
14	•I•	**Cyclohexanethiol** for synthesis (ORG) $C_6H_{12}S$ MW 116.23	1 l = 0.95 kg	100 ml	13.25	
7	•I•	**Cyclohexanol** reference substance for gas chromatography $C_6H_{12}O$ MW 100.16		5 ml	21.—	
891	•I•	**Cyclohexanol** $C_6H_{12}O$ MW 100.16 Refractive index ($n_D^{25°}$) . . . . about 1.463–1.465	1 l = 0.94 kg	500 ml 1 l 2½ l	5.— 9.— 20.—	
11	•I•	**Cyclohexanone** reference substance for gas chromatography $C_6H_{10}O$ MW 98.15		5 ml	21.—	
2888	•I•	**Cyclohexanone** pure $C_6H_{10}O$ MW 98.15 Refractive index ($n_D^{20°}$) 1.450–1.451	1 l = 0.94 kg	1 l 2½ l 50 kg	7.— 14.50	4.—

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2824	•|•	**Cyclohexene** for synthesis (ORG) stabilised with 0.05% hydroquinone C_6H_{10} MW 82.15 1 l = 0.81 kg		250 ml 1 l	6.80 20.50	
2825		**3-Cyclohexenecarboxylic acid** for synthesis (ORG) $C_7H_{10}O_2$ MW 126.16 1 l = 1.08 kg		250 ml	14.—	
		4-Cyclohexene-1,2-dicarboxylic anhydride see Tetrahydrophthalic anhydride				
		5-(1-Cyclohexenyl)-5-ethylbarbituric acid see Cyclobarbital				
2820	•|•	**Cyclohexylacetylene** for synthesis (ORG) C_8H_{12} MW 108.18 1 l = 0.84 kg		5 ml	47.50	
2885	•|•	**Cyclohexylamine** for synthesis (LAB) $C_6H_{13}N$ MW 99.18 1 l = 0.86 kg TYPE ANALYSIS: Assay (gas chromatographic) . . . . 98% d 20°/4° . . . . . 0.866–0.869 Refractive index ($n_D^{20°}$) . . . . . 1.457–1.460 Boiling-range (95%) 132–137° C		1 l 2½ l	9.— 20.—	
2886		**2-(Cyclohexylamino)-ethanol** for synthesis (ORG) $C_8H_{17}NO$ MW 143.23	1	250 g	12.—	
2296	•|•	**Cyclohexyl bromide** for synthesis (ORG) $C_6H_{11}Br$ MW 163.06 1 l = 1.33 kg		250 ml	11.—	
		N-Cyclohexyldiethanolamine see *N*-Cyclohexyl-2,2′-iminodiethanol				
		1,4-Cyclohexylenedimethanol see 1,4-Bis(hydroxymethyl)-cyclohexane				
		1,2-Cyclohexylenedinitrilotetraacetic acid see Titriplex® IV				
		N-Cyclohexylethanolamine see 2-(Cyclohexylamino)-ethanol				

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5		**Cyclohexyl ethyl ketone** for synthesis (ORG) $C_9H_{16}O$ MW 140.23	1 l = 0.91 kg	10 ml	11.50	
96		***N*-Cyclohexyl-2,2'-iminodiethanol** for synthesis (ORG) $C_{10}H_{21}NO_2$ MW 187.28	1 l = 1.02 kg	100 ml	9.75	
		Cyclohexyl mercaptan see Cyclohexanethiol				
[illegible]		***N*-Cyclohexyl-*N'*-[2-(*N*-methylmorpholino)-ethyl]-carbodiimide *p*-toluene sulfonate** for synthesis (LAB) $C_{21}H_{33}N_3O_4S$ MW 423.58	[illegible]	[illegible]	10.—	
		N-Cyclohexyl-1,3-propanediamine see *N*-Cyclohexyltrimethylenediamine				
[illegible]		***N*-Cyclohexyltrimethylenediamine** for synthesis (ORG) $C_9H_{20}N_2$ MW 156.27	1 l = 0.91 kg	100 ml	13.75	
65	•|•	**1,5-Cyclooctadiene** for synthesis (ORG) C_8H_{12} MW 108.18	1 l = 0.88 kg	250 ml	21.—	
31		**Cyclooctanol** for synthesis (ORG) $C_8H_{16}O$ MW 128.22	1 l = 0.97 kg	25 ml	15.75	
82		**Cyclooctanone** for synthesis (ORG) $C_8H_{14}O$ MW 126.20	1	25 g	16.25	
98	•|•	**Cyclopentane** for spectroscopy **Uvasol** C_5H_{10} MW 70.14	1 l = 0.74 kg	100 ml 500 ml	14.— 57.50	
662	•|•	**Cyclopentane** reference substance for gas chromatography C_5H_{10} MW 70.14		2 ml	15.75	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2669	•|•	**Cyclopentanol** for synthesis (ORG) $C_5H_{10}O$ MW 86.13	1 l = 0.95 kg	100 ml	10.—	
2670	•|•	**Cyclopentanone** for synthesis (ORG) C_5H_8O MW 84.12	1 l = 0.95 kg	250 ml 1 l	12.75 42.—	
2821		**Cyclopentylacetylene** for synthesis (ORG) C_7H_{10} MW 94.16	1 l = 0.83 kg	5 ml	52.50	
2774	•|•	**Cyclopentyl bromide** for synthesis (ORG) C_5H_9Br MW 149.03	1 l = 1.39 kg	25 ml	12.—	
483		**Cyclopropanecarboxylic acid** for synthesis (ORG) $C_4H_6O_2$ MW 86.09	1 l = 1.10 kg	10 ml	11.—	
3486	•|•	**Cyclosilane** for spectroscopy **Uvasol**® $C_9H_6D_{18}Si_3$ MW 234.67	1 l = 0.91 kg	1 ml 5 ml	115.— 525.—	
2834		**Cystaminium dichloride** for synthesis (ORG) $C_4H_{14}Cl_2N_2S_2$ MW 225.20		10 g	8.75	
1319		**Cysteamine** for synthesis (ORG) C_2H_7NS MW 77.15	2	25 g	18.50	
2835		**Cysteaminium chloride** for synthesis (ORG) C_2H_8ClNS MW 113.61		10 g	8.—	
2838		L(+)**Cysteine** for biochemistry (LAB) $C_3H_7NO_2S$ MW 121.16	3.5	25 g 100 g 1 kg	9.25 28.25 price on application	

TYPE ANALYSIS:

Assay (perchloric acid titration; on dried substance)	99%
Melting-range (decomposition)	about 217–228° C
Specific rotation ($[\alpha]_D^{20°}$; c = 5, 1N HCl)	+8° to +9°
Sulfate (SO_4)	0.005 %
Heavy metals (as Pb)	0.001 %
Iron (Fe)	0.0005%
Sulfated ash	0.1 %
Loss on drying (105° C)	0.5 %

		Volume			Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
					DM	DM
39	**L(+)Cysteinium chloride** Reag BP 1958 $C_3H_8ClNO_2S \cdot H_2O$ MW 175.64	1.1	(P)	25 g 100 g 1 kg	4.75 12.50 100.—	

TYPE ANALYSIS:

Assay (acidimetric; on dried substance) 99%	Sulfate (SO_4) . . . . 0.005 %
Melting-range . . . 175–180° C	Heavy metals (as Pb) . 0.001 %
Specific rotation ($[\alpha]_D^{20°}$; c = 5, 1N HCl) +6° to +7°	Iron (Fe) 0.0005%
	Sulfated ash . . . . . 0.1 %
	Loss on drying (105°C) 9.0–11,5%

Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.

	L(–)**Cystine** for biochemistry (LAB) $C_6H_{12}N_2O_4S_2$ MW 240.30			25 g 100 g 1 kg	7.60 20.50 price on application	

TYPE ANALYSIS:

Assay (perchloric acid titration; on dried substance) . . 99%	Sulfate (SO_4) . . . . . 0.01 %
Melting-range (decompostion) 235–250°C	Heavy metals (as Pb) . 0.001%
Specific rotation ($[\alpha]_D^{20°}$; c = 5, 1N HCl) –215° to –225°	Iron (Fe) 0.001%
	Ammonium (NH_4) . . . 0.001%
Chloride (Cl) 0.01%	Sulfated ash . . . . . 0.1 %
	Water (acc. to Karl Fischer) . . . . 0.5 %

36	**L(–)Cystine** $C_6H_{12}N_2O_4S_2$ MW 240.30	1.9	(P)	100 g 1 kg	11.50 price on application	
	Cytidine for biochemistry (LAB) $C_9H_{13}N_3O_5$ MW 243.22			1 g 5 g	5.– 16.50	
	Cytidine-2',3'-cyclophosphate barium salt for biochemistry (LAB) $C_{18}H_{22}BaN_6O_{14}P_2$ MW 145.70			0.5 g	21	

Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customer's risk.

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2324	○	**Cytidine-5′-diphosphoric acid trilithium salt** ($CDPLi_3$, Cyd-5′-P-PLi_3) for biochemistry (LAB) $C_9H_{12}Li_3N_3O_{11}P_2$ MW 420.97 This item has to be stored in a refrigerator at 0° C or below. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	2.5		25 mg	53.—	
2319		**Cytidinemonophosphoric acid** (mixture of Cyd-2′-P and Cyd-3′-P) for biochemistry (LAB) $C_9H_{14}N_3O_8P$ MW 323.20 Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	5		1 g	12.50	
2320		**Cytidine-5′-monophosphoric acid disodium salt** (Cyd-5′-P-Na_2) for biochemistry (LAB) $C_9H_{12}N_3Na_2O_8P$ MW 367.16 Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	3		1 g	6.—	
2325	○	**Cytidine-5′-triphosphoric acid trilithium salt** ($CTPLI_3$ Cyd-5′-P-P-PLi_3) for biochemistry (LAB) $C_9H_{13}Li_3N_3O_{14}P_3$ MW 500.95 This item has to be stored in a refrigerator at 0° C or below. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	3		25 mg	49.—	
2326		**Cytosine** for biochemistry (LAB) $C_4H_5N_3O$ MW 111.10	1.5		1 g 5 g	10.25 41.—	
5460		**Czapek-Dox agar** for microbiology (48 g for 1 litre of culture medium)	2		48 g 500 g 10 x 500 g	4.25 27.50 25.50	
5461		**Czapek-Dox** nutrient solution acc. to Thom and Raper for microbiology (35 g for 1 litre of culture medium)	1.8		35 g 500 g 10 x 500 g	3.50 20.— 18.—	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
		Dansyl chloride see 5-Dimethylamino-1-naphthalenesulfonyl choride				
73		**Decadeuteroanthracene** deuteration degree not less than 99% $C_{14}H_{10}$ MW 188.30	1.5	1 g	105.—	
13		**Decadeuterobenzoic anhydride** deuteration degree not less than 99% $C_{14}D_{10}O_3$ MW 236.30		5 g	150.—	
06	•|•	**Decadeuterodiethyl ether,** deuteration degree not less than 99% for spectroscopy **Uvasol**® $C_4D_{10}O$ MW 84.19 1 l = 0.82 kg		1 ml 10 ml	95.— 825.—	
85		**Decadeuterophenanthrene** deuteration degree not less than 99% $C_{14}D_{10}$ MW 188.30	3	1 g 5 g	50.— 215.—	
03		**Deca(ethylene glycol)monooctylphenyl ether** for electronic count of milk cells $C_{34}H_{62}O_{11}$ MW 646.87 1 l = 1.07 kg		1 l 2½ l	12.75 28.—	
11	•|•	**Decahydronaphthalene** for synthesis (LAB) $C_{10}H_{18}$ MW 138.25 1 l = 0.88 kg TYPE ANALYSIS: Assay (gas chromatographic) . . . . 99% d 20°/4° . . . . . 0.870–0.890 Non-volatile substances 0.01% Water (acc. to Karl Fischer) 0.02%		Aluminium bottle 1¼ l 2½ l	8.75 14.—	
00	•|•	**Decahydronaphthalene** $C_{10}H_{18}$ MW 138.25 1 l = 0.88 kg		2½ l 50 kg	13.—	4.65
		Decahydronaphthalene-d_{18} see Octadecadeuterobicyclo(4,4,0)decane				
		Decalso activated see Permutit® T				
		Decanal see Capraldehyde				

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
9603		***n*-Decane** reference substance for gas chromatography $C_{10}H_{22}$ MW 142.29		5 ml	21.—	
3405		***n*-Decane** for synthesis (LAB) $C_{10}H_{22}$ MW 142.29 1 l = 0.73 kg		100 ml	17.25	
		1,10-Decanedicarboxylic acid see Dodecanedioic acid				
3561		**1,10-Decanediol** for synthesis (ORG) $C_{10}H_{22}O_2$ MW 174.29	2	100 g	13.25	
		Decanoic acid see Capric acid				
3463		**1-Decanol** for synthesis (LAB) $C_{10}H_{22}O$ MW 158.29 1 l = 0.83 kg		1 l	9.50	
6082		**2-Decanone** for synthesis (ORG) $C_{10}H_{20}O$ MW 156.27 1 l = 0.84 kg		25 ml	12.—	
3782		**3-Decanone** for synthesis (ORG) $C_{10}H_{20}O$ MW 156.27 1 l = 0.83 kg		25 ml	10.—	
		Decanoyl chloride see Capric chloride				
9400		**Decolorisation solution** for serum electrophoresis 1 l = 0.82 kg		5 l	13.50	
		Decyl alcohol see 1-Decanol				
		n-Decyl bromide see 1-Bromodecane				
		Decyl chloride see 1-Chlorodecane				
8961		**Dehydroandrosterone** (3α-hydroxy-5-androsten-17-one) for biochemistry (LAB) $C_{19}H_{28}O_2$ MW 288.43	2.5	0.1 g	26.25	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
31	Dehydro-*epi*-androsterone (3β-hydroxy-5-androsten-17-one) (LAB) $C_{19}H_{28}O_2$ MW 288.43	2.5		10 g 100 g	12.50 105.—	
56	**Dehydro-*epi*-androsterone sulfate sodium salt** (17-oxoandrost-5-en-3β-yl-sulfuric acid sodium salt) for biochemistry (LAB) $C_{19}H_{27}NaO_5S$ MW 390.48	1.5		0.1 g 1 g	10.50 63.—	
	Dehydro-*iso*-androsterone see Dehydro-*epi*-androsterone					
678	**7-Dehydrocholesterol** (5,7-cholestadien-3β-ol) (LAB) $C_{27}H_{44}O$ MW 384.65			10 g	67.50	
270	**Dehydrocholic acid** (3,7,12-trioxo-5β-cholanic acid) NF XII, USP XVI, oral $C_{24}H_{34}O_5$ MW 402.54	5.3	P	100 g 1 kg	36.— 300.—	
271	**Dehydrocholic acid** (3,7,12-trioxo-5β-cholanic acid) USP XVI $C_{24}H_{34}O_5$ MW 402.54 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	5.3	P	100 g	40.—	
962	**11-Dehydrocorticosterone** (21-hydroxy-4-pregnene-3,11,20-trione) for biochemistry (LAB) $C_{21}H_{28}O_4$ MW 344.45	3		0.1 g	27.25	
679	**11-Dehydrocorticosterone acetate** (21-acetoxy-4-pregnene-3,11,20-trione acetate) (LAB) $C_{23}H_{30}O_5$ MW 386.49	3	P	1 g 10 g	36.75 315.—	
	Dehydrocortisol see Prednisolone					
	Dehydrocortisone see Prednisone					
	Dehydroepiandrosterone see Dehydro-*epi*-androsterone					
	Dehydrohydrocortisone see Prednisolone					
	16-Dehydropregnenolone acetate see Pregnadienolone acetate					

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
9252	**Delafield's hematoxylin solution** (with ammonium alum) for microscopy 1 l= 1.00 kg		100 ml	4.25	
1429	**2′-Deoxyadenosine** (dAdo) for biochemistry (LAB) $C_{10}H_{13}N_5O_3$ MW 251.25	2.5	1 g	30.50	
1430	**2′-Deoxyadenosine-5′-phosphoric acid ammonium salt** ($dAdo\text{-}5'\text{-}PNH_4$) for biochemistry (LAB) $C_{10}H_{17}N_6O_6P$ MW 348.26 This item has to be stored in a refrigerator. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	3	0.1 g	30.50	
1431	**2′-Deoxyadenosine-5′-triphosphoric acid disodium salt** ($dATPNa_2$, $dAdo\text{-}5'\text{-}P\text{-}P\text{-}PNa_2$) for biochemistry (LAB) $C_{10}H_{14}N_5Na_2O_{12}P_3$ MW 535.15 This item has to be stored in a refrigerator at 0°C or below. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	2	10 mg	30.50	
3213	**Deoxybenzoin** for synthesis (ORG) $C_{14}H_{12}O$ MW 196.25	2	25 g	9.50	
2896	**Deoxycholate citrate agar** acc. to Leifson modified for microbiology (50 g for 1 litre of culture medium)	1.7	50 g 500 g 10 x 500 g	6.— 40.— 38.—	
2894	**Deoxycholate lactose agar** for microbiology (40 g for 1 litre of culture medium)	1.7	40 g 500 g 10 x 500 g	4.25 30.— 28.—	
3683	**Deoxycholic acid** (3α,12α-dihydroxy-5β-cholanic acid) (LAB) $C_{24}H_{40}O_4$ MW 392.58	2	25 g	13.50	

Deoxycholic acid sodium salt see Sodium deoxycholate

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
259	**11-Deoxycorticosterone** (21-hydroxy-4-pregnene-3,20-dione) for biochemistry (LAB) $C_{21}H_{30}O_3$ MW 330.47	3	0.1 g	8.—	
264	**11-Deoxycorticosterone acetate** (21-acetoxy-4-pregnene-3,20-dione) (LAB) $C_{23}H_{32}O_4$ MW 372.51		1 g 10 g	7.50 53.—	
	11-Deoxycortisol see Reichstein's substance "S"				
322 ○	**2′-Deoxycytidine-5′-monophosphoric acid** (dCyd-5′-P) for biochemistry (LAB) $C_9H_{14}N_3O_7P$ MW 307.20 This item has to be stored in a refrigerator. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	5	0.1 g	9.50	
323 ○	**2′-Deoxycytidine-5′-triphosphoric acid trilithium salt** ($dCTPLi_3$, 2-dCyd-5′-P-P-PLi_3) for biochemistry (LAB) $C_9H_{13}Li_3N_3O_{13}P_3$ MW 471.08 This item has to be stored in a refrigerator at 0°C or below. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.		10 mg	74.—	
131	**2′-Deoxycytidinium chloride** (dCyd · HCl) for biochemistry (LAB) $C_9H_{14}ClN_3O_4$ MW 263.68	3	0.25 g	21.—	
	Deoxyephedrine hydrochloride see Methylamphetaminium chloride				
234	**2′-Deoxyguanosine** (dGuo) for biochemistry (LAB) $C_{10}H_{13}N_5O_4$ MW 267.25	5	0.25 g	12.25	
235 ○	**2′-Deoxyguanosine-5′-monophosphoric acid disodium salt** (dGuo-5′-PNa_2) for biochemistry (LAB) $C_{10}H_{12}N_5Na_2O_7P$ MW 391.19 This item has to be stored in a refrigerator. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	3	0.1 g	9.50	
236 ○	**2′-Deoxyguanosine-5′-triphosphoric acid tetralithium salt** ($dGTPLi_4$, dGuo-5′-P-P-PLi_4) for biochemistry (LAB) $C_{10}H_{12}Li_4N_5O_{13}P_3$ MW 530.91 This item has to be stored in a refrigerator at 0°C or below. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	2	10 mg	84.—	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	1-Deoxy-1-methylaminosorbitol see D(–)-N-Methylglucamine					
	Deoxynorephedrine see Amphetamine					
	2-Deoxy-2-oxo-D-gluconic acid calcium salt see 2-Keto-D-gluconic acid calcium salt					
	5-Deoxy-5-oxo-D-gluconic acid potassium salt see 5-Keto-D-gluconic acid potassium salt					
	2-Deoxy-2-oxo-L-gluconic acid see 2-Keto-L-gluconic acid					
3251	**4′-Deoxypyridoxine hydrochloride** for biochemistry (LAB) $C_8H_{12}ClNO_2$ MW 189.64			1 g	9.—	
24012	**Deoxyribonuclease I** (from pancreas) cryst. lyophilised 2000 units/mg for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.			20 mg	55.—	
24013	**Deoxyribonucleic acid** (from calf thymus) for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.			500 mg	82.50	
7606	**2-Deoxy-D-ribose** for biochemistry (LAB) $C_5H_{10}O_4$ MW 134.13	1.9		1 g 5 g	21.50 91.—	
8206	**2′-Deoxythymidine** for biochemistry (LAB) $C_{10}H_{14}N_2O_5$ MW 242.23	3		1 g	18.50	
8207	**2′-Deoxythymidine-5′-monophosphoric acid calcium salt** (deTho-5′-PCa) for biochemistry (LAB) $C_{10}H_{13}CaN_2O_8P$ MW 360.28 This item has to be stored in a refrigerator. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	3		0.1 g	27.75	
8192	**2′-Deoxythymidine-5′-phosphoric acid 1-naphthyl ester sodium salt** for biochemistry (LAB) $C_{20}H_{20}N_2NaO_8P$ MW 470.35 Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.			0.1 g	7.75	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
93		**2′-Deoxythymidine-5′-phosphoric acid 4-nitrophenyl ester ammonium salt** for biochemistry (LAB) $C_{16}H_{21}N_4O_{10}P$ MW 460.34 Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.		0.5 g	28.75	
08	○	**2′-Deoxythymidine 5-triphosphate tetralithium salt*** ($dTTPLi_4$, dThd-5′-P-P-PLi_4) for biochemistry (LAB) $C_{10}H_{13}Li_4N_2O_{14}P_3$ MW 505.90 * This item has to be stored in a refrigerator at 0° C or below. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	3	10 mg	28.75	
54		**2′-Deoxyuridine** (dUrd) for biochemistry (LAB) $C_9H_{12}N_2O_5$ MW 228.21	3	0.25 g	19.—	
172		**Depilation powder** for experimental animals (LAB)	2	250 g	7.50	
		Desiccator grease see Stopcock grease				
11	•I•	**Deuterium bromide** about 48% in D_2O DBr MW 81.92 1 l = 1.61 kg		5 ml 25 ml 100 ml	21.— 95.— 340	
19	*	**Deuterium oxide** (heavy water) deuteration degree 99.75% for spectroscopy **Uvasol** D_2O MW 20.03 1 l = 1.11 kg CERTIFICATE OF GUARANTEE: Suitability for IR and NMR spectroscopy passes test		10 ml 100 ml 250 ml	8.— 60.— 140.—	
428	*	**Deuterium oxide** (heavy water) deuteration degree not less than 99.9% for spectroscopy **Uvasol** D_2O MW 20.03 1 l = 1.11 kg CERTIFICATE OF GUARANTEE: Suitability for IR and NMR spectroscopy passes test		10 ml 100 ml	16.50 135.—	

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		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
3434	*tri*-**Deuteroammonia solution** 20% ND_3 in D_2O deuteration degree not less than 99% ND_3 MW 20.05	1 l = 1.00 kg	5 ml 25 ml	16.50 70.—	
2908	*tetra*-**Deuteroammonium chloride** deuteration degree not less than 99% ND_4Cl MW 57.52		1 g 10 g	12.50 100.—	
3487	*tetra*-**Deuteroammoniumdideuterophosphate** deuteration degree not less than 99% D_6NO_4P MW 121.06		10 g	60.—	
3478	*tri*-**Deuteroboric acid** deuteration degree not less than 99% D_3BO_3 MW 64.85		5 g 25 g	37.50 180.—	
3414	**Deuterobromoform** deuteration degree not less than 99% $CDBr_3$ MW 253.75	1 l = 2.91 kg	1 ml 10 ml 10 x 10 ml	12.— 95.— 85.—	
3420	**Deuterochloroform** deuteration degree not less than 99.8% for spectroscopy **Uvasol**® $CDCl_3$ MW 120.38 CERTIFICATE OF GUARANTEE: Suitability for IR and NMR spectroscopy passes test	1 l = 1.50 kg	20 ml 100 ml 500 ml	21.— 95.— 450.—	
2903	**Deuterochloroform** deuteration degree not less than 99% for spectroscopy **Uvasol**® $CDCl_3$ MW 120.38 CERTIFICATE OF GUARANTEE: Suitability for IR and NMR spectroscopy passes test	1 l = 1.48 kg	20 ml 100 ml 500 ml	12.50 55.— 260.—	
3432	**Deuterochloroform** deuteration degree not less than 99% with 1% v/v tetramethylsilane for spectroscopy **Uvasol**® CERTIFICATE OF GUARANTEE: Suitability for IR and NMR spectroscopy passes test	1 l = 1.47 kg	5 ml 20 ml 100 ml	5.50 14.— 62.—	
3439	*hexa*-**Deuterohydrazinium sulfate** deuteration degree not less than 99% $D_4N_2 \cdot D_2SO_4$ MW 136.16		1 g 10 g	6.— 35.—	

	Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
Deuterohydrochloric acid (about 20% deuterium chloride in D_2O) deuteration degree not less than 99% DCl MW 37.47 1 l = 1.21 kg		5 ml 25 ml 100 ml	10.— 30.— 130.—	
Deuteromethanol see Monodeuteromethanol				
Deuteronitric acid (68–70% DNO_3 in D_2O) deuteration degree not less than 99% DNO_3 MW 64.02 1 l = 1.45 kg		5 ml 20 ml	15.— 50.—	
Deuteronitrobenzene-d_5 see Pentadeuteronitrobenzene				
Deuteroperchloric acid (about 70% $DClO_4$ in D_2O) deuteration degree not less than 99% $DClO_4$ MW 101.46 1 l = 1.77 kg		5 ml	40.—	
tri-**Deuterophosphoric acid** deuteration degree not less than 99% D_3PO_4 MW 101.01 1 l = 1.75 kg		5 ml 20 ml	9.— 27.50	
O-Deutero-2-propanol deuteration degree not less than 99% C_3H_7DO MW 61.10 1 l = 0.81 kg		1 ml 10 ml 10 x 10 ml	4.50 18.50 16.—	
Deuterosodium hydroxide solution (about 40% sodium deuterium oxide in D_2O) deuteration degree not less than 99% NaOD MW 41.00 1 l = 1.56 kg		5 ml 25 ml 100 ml	10.— 42.— 155.—	
di-**Deuterosulfuric acid** 96–98% deuteration degree not less than 99% D_2SO_4 MW 100.09 1 l = 1.84 kg		5 ml 20 ml 100 ml	10.— 30.— 130.—	
Deuterotrifluoroacetic acid deuteration degree not less than 98% for spectroscopy **Uvasol**® CF_3COOD MW 115.03 1 l = 1.50 kg CERTIFICATE OF GUARANTEE: Suitability for NMR spectroscopy passes test		1 ml 10 ml 10 x 10 ml	4.50 20.— 19.—	
Devarda's alloy powder GR	0.4	250 g 1 kg 5 kg	9.— 30.— 135.	

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		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
3006	**Dextrin** white $(C_6H_{10}O_5)n \cdot x\,H_2O$	1.3		1 kg 5 kg 9051/50 kg	5.25 17.25	2.65
	Dextroamphetammonium sulfate see *d*-Amphetaminium sulfate					
	Dextrose see D(+)Glucose					
	Diacetone alcohol see 4-Hydroxy-4-methyl-2-pentanone					
	1,2-Diacetoxyethane see Ethylene glycol diacetate					
501858	**1,4-Diacetoxy-2-methylnaphthalene** (menadiol diacetate) $C_{15}H_{14}O_4$ MW 258.28	2		1 kg 50 kg	prices on application	
3528	**Diacetyl** for synthesis (ORG) $C_4H_6O_2$ MW 86.09 1 l = 0.99 kg			100 ml	8.50	
	Diacetyldioxime see Dimethylglyoxime					
	Diacetyldioxyphenylisatin see Diacetyldiphenolisatin					
2895	**Diacetyldiphenolisatin** [3,3-bis(4-acetoxyphenyl)-oxindole] fine powder $C_{24}H_{19}NO_5$ MW 401.42	2.5		1 kg 5 kg 25 kg	59.— 263.—	50.—
2918	**Diacetyl monoxime** GR $C_4H_7NO_2$ MW 101.11 CERTIFICATE OF GUARANTEE: Melting-point . . . . 74–76° C Substances insoluble in water and ethanol . . passes test Residue on ignition (as sulfates) . . max. 0.025% Sensitivity as reagent for colorimetric determination of urea . . . . . passes test	4		25 g 100 g	9.— 30.—	
	Diacrylamidomethane see *N*,*N*'-Methylenediacrylamide					

	Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
Diallylamine for synthesis (ORG) $C_6H_{11}N$ MW 97.16 1 l = 0.79 kg		250 ml	9.—	
5,5-Diallylbarbituric acid see Allobarbital				
Diallyl ether for synthesis (ORG) stabilised with 0.04—0.06% hydroquinone $C_6H_{10}O$ MW 98.15 1 l = 0.82 kg		250 ml	8.—	
Diallyl phthalate for synthesis (ORG) $C_{14}H_{14}O_4$ MW 246.27 1 l = 1.11 kg		500 ml	9.50	
Diamine green B (C. I. No. 30 295, S. No. 668) for preparation of a mixed indicator with phthalein purple	1.5	10 g	5	
Diaminobenzene see o-Phenylenediamine				
3,4-Diaminobenzoic acid for synthesis (ORG) $C_7H_8N_2O_2$ MW 152.15		25 g	12.50	
1,4-Diaminobutane see Tetramethylenediamine				
1,2-Diaminocyclohexane see 1,2-Cyclohexanediamine				
4,4'-Diaminodicyclohexylmethane for synthesis (ORG) $C_{13}H_{26}N_2$ MW 210.37		100 g	11.50	
4,4'-Diamino-3,3'dimethyl-1,1'-binaphthyl see 3,3'-Dimethylnaphthidine				
4,4'-Diaminodiphenyl see Benzidine				
4,4'-Diaminodiphenylmethane for synthesis (ORG) $C_{13}H_{14}N_2$ MW 198.27		500 g	11	
4,4'-Diaminodiphenylsulfide for synthesis (ORG) $C_{12}H_{12}N_2S$ MW 216.31		100 g	19.50	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	1,12-Diaminododecane see Dodecamethylenediamine					
	1,2-Diaminoethane see Ethylenediamine					
	1,2-Diaminoethane dihydrochloride see Ethylenediammonium dichloride					
	1,6-Diaminohexane see Hexamethylenediamine					
3572	**2,6-Diamino-4-methyl-1,3,5-triazine** for synthesis (ORG) $C_4H_7N_5$ MW 125.13	2	P	250 g	5.80	
	2,4-Diamino-6-methyl-*s*-triazine see 2,6-Diamino-4-methyl-1,3,5-triazine					
	Diaminonaphthalene see Naphthylenediamine					
	1,8-Diaminooctane see Octamethylenediamine					
	1,5-Diaminopentane see Pentanmethylenediamine					
	3,7-Diaminophenazathionium chloride see Thionine					
	2,4-Diaminophenol dihydrochloride see 4-Hydroxy-*m*-phenylenediammonium dichloride					
	2,4-Diamino-6-phenyl-*s*-triazine see 2,6-Diamino-4-phenyl-1,3,5-triazine					
3573	**2,6-Diamino-4-phenyl-1,3,5-triazine** for synthesis (ORG) $C_9H_9N_5$ MW 187.21	1.5	P	250 g 1 kg	5.25 13.75	
	1,3-Diaminopropane see Trimethylenediamine					
3574	**2,6-Diamino-4-*iso*-propyl-1,3,5-triazine** for synthesis (ORG) $C_6H_{11}N_5$ MW 153.19	1.8		250 g	10.—	
	2,4-Diamino-6-*iso*-propyl-s-triazine see 2,6-Diamino-4-*iso*-propyl-1,3,5-triazine					

	Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2,3-Diaminopyridine for synthesis (ORG) $C_5H_7N_3$ MW 109.13	2	5 g	32.50	
2,6-Diaminopyridine for synthesis (ORG) $C_5H_7N_3$ MW 109.13	3	100 g	13.75	
4,4′-Diamino-2,2′-stilbenedisulfonic acid for synthesis (ORG) $C_{14}H_{14}N_2O_6S_2$ MW 370.41	4	250 g	11.—	
2,4-Diaminotoluene see 4-Methyl-1,3-phenylenediamine				
4,5-Diamino-*o*-xylene see 4,5-Dimethyl-*o*-phenylenediamine				
3,3′-Diammoniobenzidinium tetrachloride GR $C_{12}H_{18}Cl_4N_4 \cdot 2\,H_2O$ MW 396.15	7	1 g 5 g	4.50 14.—	
Diammonium hydrogen citrate see *di*-Ammonium hydrogen citrate				
Diammonium hydrogen phosphate see *di*-Ammonium hydrogen phosphate				
Diammonium tartrate see *di*-Ammonium tartrate				
Diamond fuchsin (C. I. No. 42 510, S. No. 780) for bacteriology	1.3	25 g 100 g 250 g	3.75 9.— 19.50	
Diamond fuchsin (C. I. No. 42 510, S. No. 780) cryst.	1.5	100 g 250 g 1 kg	8.50 18.50 63.—	
Diamond green B see Malachite green				
Diamond green G see Brilliant green				
1,2-Dianilinoethane see *N,N′*-Diphenylethylenediamine				
***o*-Dianisidine** (3,3′-dimethoxybenzidine) GR $C_{14}H_{16}N_2O_2$ MW 244.30	1.9	25 g	7.10	
1,1′-Dianthraquinonylamine see 1,1′-Dianthrimide				

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7657		**1,1'-Dianthrimide** (1,1'-dianthraquinonylamine) (reagent for boron) $C_{28}H_{15}NO_4$ MW 429.44 CERTIFICATE OF GUARANTEE: Assay (ex N) . . . min. 98% Melting-point . . . . 370° C Substances soluble in ether . . . . . max. 0.5% Loss on drying (105° C) . . . . . max. 0.2% Sulfated ash . . . . max. 1% Suitability for determination of boron . . . . passes test	3		5 g 10 g	5.— 8.—	
3012	○	**Diastase** 0.45 U/mg for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	2		50 g	5.80	
3013	○	**Diastase** 2.6 U/mg for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	1.5		10 g	5.25	
3020		**Diastase** 300 units/g	1.9	(P) (P) ▭	100 g 1 kg 5 kg	5.25 36.75 163.—	
3021		**Diastase** 500 units/g amylolytic power 1 : 60	2	(P) (P)	100 g 1 kg	8.— 58.—	
3029		**Diastase** 2800 units/g amylolytic power not less than 1 : 250	1.9	(P) (P) (P)	25 g 100 g 500 g	8.— 24.25 105.—	
3603		**1,5-Diazabicyclo[4,3,0]non-5-ene** for synthesis (LAB) $C_7H_{12}N_2$ MW 124.19 1 l = 1.02 kg			25 ml	28.—	
3456		**1,4-Diazabicyclo[2,2,2]octane** for synthesis (LAB) $C_6H_{12}N_2$ MW 112.18	1.6		100 g 250 g	25.25 60.—	
3282		**1,8-Diazabicyclo[5,4,0]undec-7-ene** for synthesis (LAB) $C_9H_{16}N_2$ MW 152.24 1 l = 1.04 kg			25 ml	22.50	

1,4-Diazine see Pyrazine

Diazine green S (K) see Janus green

			Volume			Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
						DM	DM
		Dibenzosuberone for synthesis (ORG) $C_{15}H_{12}O$ MW 208.26			25 g	47.25	
		Dibenzoyl-L(+)tartaric acid (monohydrate levorotatory) for racemate resolution (LAB) $C_{18}H_{14}O_8 \cdot H_2O$ MW 376.33 TYPE ANALYSIS: Assay (acidimetric) . 99% Melting-point . . . . 88–90° C Specific rotation ($[\alpha]_D^{20}$°; c = 1, ethanol 96%) . . . . . –110° ± 5° Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.001% Sulfated ash . . . . . 0.1 %	2.4		25 g 100 g	10.50 26.75	
		Dibenzylamine for synthesis (ORG) $C_{14}H_{15}N$ MW 197.28 1 l = 1.03 kg			100 ml	10.—	
		N,N-**Dibenzyldithiocarbamic acid zinc salt** GR $C_{30}H_{28}N_2S_4Zn$ MW 610.20	2.2		25 g 100 g	5.25 14.75	
		Dibenzyl ether for synthesis (ORG) $C_{14}H_{14}O$ MW 198.27 1 l = 1.04 kg			500 ml	8.—	
6		***N,N'*-Dibenzylethylenediammonium diacetate** $C_{20}H_{28}N_2O_4$ MW 360.46	2		**50 kg**		**price on application**
		Dibenzyl phosphite for synthesis (LAB) $C_{14}H_{15}O_3P$ MW 262.25 1 l = 1.17 kg			250 ml 1 l	24.25 90.—	
14	†	**Dibenzyl succinate** $C_{18}H_{18}O_4$ MW 298.34	1.3		**100 g** **1 kg**	5.— 43.75	
549		**Dibenzyl sulfoxide** for synthesis (ORG) $C_{14}H_{14}OS$ MW 230.33			100 g	10.—	
		1,3-Dibenzylthiourea for synthesis (ORG) $C_{15}H_{16}N_2S$ MW 256.37	1.5		100 g	10.50	

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			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
3458	•|•	**1,2-Dibromobenzene** for synthesis (LAB) $C_6H_4Br_2$ MW 235.92	1 l = 1.98 kg	5 ml	33.25	
3535		**1,4-Dibromobenzene** for synthesis (ORG) $C_6H_4Br_2$ MW 235.92	0.9	250 g	9.50	
		1,4-Dibromobenzene-d_4 see 1,4-Dibromotetradeuterobenzene				
3275	•|•	**1,4-Dibromobutane** for synthesis (ORG) $C_4H_8Br_2$ MW 215.93	1 l = 1.82 kg	250 ml	19.—	
		1,4-Dibromobutane-d_8 see Octadeutero-1,4-dibromobutane				
		5′,5″-Dibromo-o-cresolsulfonphthalein see Bromocresol purple				
		3,3′-Dibromo-5,5′-dichloro-2,2′-dihydroxydiphenylmethane see Bromochlorophene				
		5′,5″-Dibromo-3′,3″-dichlorophenolsulfonphthalein see Bromochlorophenol blue				
		1,3-Dibromo-5,5-dimethylhydantoin see 1,3-Dibromo-5,5-dimethyl-2,4-imidazolidinedione				
3600		**1,3-Dibromo-5,5-dimethyl-2,4-imidazolidinedione** for synthesis (LAB) $C_5H_6Br_2N_2O_2$ MW 285.93	1.5	250 g	14.25	
		Dibromodinitrofluorescein sodium see Eosin bluish				
952	•|•	**1,2-Dibromoethane** $BrCH_2CH_2Br$ MW 187.89	1 l = 2.17 kg	250 ml 1 l	6.85 20.50	
		1,2-Dibromoethane-d_4 see 1,2-Dibromotetradeuteroethane				

	Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1,7-Dibromoheptane for synthesis (ORG) $C_7H_{14}Br_2$ MW 258.01 1 l = 1.52 kg		10 ml	26.25	
1,6-Dibromohexane for synthesis (LAB) $C_6H_{12}Br_2$ MW 243.98 1 l = 1.58 kg		100 ml 250 ml	13. 30.—	
2,7-Dibromo-4-hydroxymercurifluorescein disodium salt see Mercuridibromfluorescein				
1,5-Dibromopentane for synthesis (ORG) $C_5H_{10}Br_2$ MW 229.95 1 l = 1.70 kg		100 ml	13.75	
3′,3″-Dibromophenolsulfonphthalein see Bromophenol red				
1,3-Dibromopropane for synthesis (ORG) $C_3H_6Br_2$ MW 201.90 1 l = 1.98 kg		100 ml 250 ml	10.50 23.50	
2,3-Dibromo-1-propanol for synthesis (ORG) $C_3H_6Br_2O$ MW 217.90 1 l = 2.13 kg		100 ml	16	
Dibromopropyl alcohol see 2,3-Dibromo-1-propanol				
2,6-Dibromoquinone chlorimide GR (for detection of phosphatase in milk) $C_6H_2Br_2ClNO$ MW 299.36 CERTIFICATE OF GUARANTEE: Melting-point . . . 82–84° C Suitability for determination Sulfated ash . . . . max. 0.1% of phenol . . . . passes test	1.2	5 g 25 g	7.50 28.—	
1,4-Dibromotetradeuterobenzene deuteration degree not less than 99% $C_6Br_2D_4$ MW 239.94	1	5 g	29.—	

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		Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2917	**1,2-Dibromotetradeuteroethane** deuteration degree not less than 99% $C_2D_4Br_2$ MW 191.90	1 l = 2.22 kg	5 ml 42.50 25 ml 200.—	
3280	**2,5-Dibromothiophene** for synthesis (ORG) $C_4H_2Br_2S$ MW 241.94	1 l = 2.14 kg	5 ml 9.50	
	3′,3″-Dibromothymolsulfonphthalein see Bromothymol blue			
3222	**Dibutylamine** for synthesis (ORG) $C_8H_{19}N$ MW 129.25	1 l = 0.76 kg	250 ml 4.25 1 l 10.—	
3223	**Di-*iso*-butylamine** for synthesis (ORG) $C_8H_{19}N$ MW 129.25	1 l = 0.75 kg	250 ml 15.25	
3537	**Di-sec-butylamine** for synthesis (ORG) $C_8H_{19}N$ MW 129.25	1 l = 0.78 kg	250 ml 10.50	
3221	**2-(Dibutylamino)-ethanol** for synthesis (ORG) $C_{10}H_{23}NO$ MW 173.30	1 l = 0.86 kg	250 ml 10.50 1 l 34.25	
	3-(Dibutylamino)-propylamine see *N,N*-Dibutyltrimethylenediamine			
	Dibutyl *trans*-butenedioate see Dibutyl fumarate			
	Di-*n*-butyl decanedioate see Di-*n*-butyl sebacate			
	N,N-Dibutylethanolamine see 2-(Dibutylamino)-ethanol			
2893	**Di-*n*-butyl ether** for spetroscopy **Uvasol**® $C_8H_{18}O$ MW 130.23	1 l = 0.77 kg	100 ml 6.80 500 ml 23.75	
2892	**Di-*n*-butyl ether** for synthesis (LAB) $C_8H_{18}O$ MW 130.23	1 l = 0.77 kg	500 ml 5.25 1 l 8.25	

	Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
Dibutyl fumarate for synthesis (ORG) $C_{12}H_{20}O_4$ MW 228.29	1 l = 0.99 kg	1 l	11.	
Dibutyl ketone see 5-Nonanone				
Di-*n*-butyl maleate for gas chromatography $C_{12}H_{20}O_4$ MW 228.29	1 l = 1.00 kg	100 ml	20.	
Dibutyl phthalate for synthesis (ORG) $C_{16}H_{22}O_4$ MW 278.35	1 l = 1.05 kg	1 l 2½ l	7.50 16.50	
N,N-Dibutyl-1,3-propanediamine see *N,N*-Dibutyltrimethylenediamine				
Di-*n*-butyl sebacate for synthesis (ORG) $C_{18}H_{34}O_4$ MW 314.47	1 l = 0.94 kg	250 ml	9.25	
Dibutyltin dichloride for synthesis (ORG) $C_8H_{18}Cl_2Sn$ MW 303.83		100 g	11.—	
Dibutyltin oxide for synthesis (LAB) $C_8H_{18}OSn$ MW 248.92		100 g	12.50	
N,N-**Dibutyltrimethylenediamine** for synthesis (ORG) $C_{11}H_{26}N_2$ MW 186.34	1 l = 0.83 kg	250 ml	15.75	
Dichloroacetic acid for synthesis (ORG) $C_2H_2Cl_2O_2$ MW 128.94	1 l = 1.56 kg	250 ml	9.50	
Dichloroacetyle chloride for synthesis (ORG) C_2HCl_3O MW 147.39	1 l = 1.53 kg	100 ml	4.—	
1,2-Dichlorobenzene extraction solvent, analytical grade $C_6H_4Cl_2$ MW 147.00	1 l = 1.30 kg	100 ml 1 l 2½ l	4.50 11.— 25.—	

CERTIFICATE OF GUARANTEE:

Assay (gas chromatographic)	min. 99%	Boiling-point	179–181° C
d 20°/4°	1.305–1.309	Water (acc. to Karl Fischer)	max. 0.05%
Refractive index ($n_D^{20°}$)	1.551–1.553		

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			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
3238	•I•	**1,2-Dichlorobenzene** for synthesis (ORG) $C_6H_4Cl_2$ MW 147.00 1 l = 1.31 kg		1 l	9.75	
3225	•I•	**1,3-Dichlorobenzene** for synthesis (ORG) $C_6H_4Cl_2$ MW 147.00 1 l = 1.27 kg		250 ml	9.—	
3226		**1,4-Dichlorobenzene** for synthesis (ORG) $C_6H_4Cl_2$ MW 147.00	1.3	1 kg	6.80	
3227	•I•	**1,4-Dichlorobutane** for synthesis (ORG) $C_4H_8Cl_2$ MW 127.01 1 l = 1.14 kg		1 l	17.25	
4186		**Dichlorochloromethylmethylsilane** for synthesis (ORG) $C_2H_5Cl_3Si$ MW 163.51 1 l = 1.28 kg		25 ml	12.50	
		3′,3″-Dichloro-5′,5″-dibromophenolsulfonphthalein see Bromochlorophenol blue				
2940		**2,3-Dichloro-5,6-dicyano-*p*-benzoquinone** for synthesis (LAB) $C_8Cl_2N_2O_2$ MW 227.01 TYPE ANALYSIS: Assay (iodometric) 98% Sulfated ash . . . 0.1% Melting-point (decomposition) 208–210°C	2	5 g 100 g	6.60 84.—	
		2,2′-Dichlorodiethyl ether see Bis(2-chloroethyl) ether				
		3,6-Dichloro-2,5-dihydroxy-*p*-benzoquinone see Chloranilic acid				
3452	•I•	**Dichlorodimethylsilane** for synthesis (LAB) $C_2H_6Cl_2Si$ MW 129.06 1 l = 1.07 kg		250 ml	11.—	
		4,5-Dichloro-3,6-dioxo-1,4-cyclohexadiene-1,2-dicarbonitrile see 2,3-Dichloro-5,6-dicyano-*p*-benzoquinone				

	Volume		Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
			DM	DM
•|• **Dichlorodiphenylsilane** for synthesis (LAB) $C_{12}H_{10}Cl_2Si$ MW 253.21	1 l = 1.22 kg	100 ml 250 ml	10.50 23.75	
•|• **1,2-Dichloroethane** for spectroscopy **Uvasol**® $ClCH_2CH_2Cl$ MW 98.97	1 l = 1.25 kg	250 ml 1 l	13.25 42.—	
•|• **1,2-Dichloroethane** extra pure Erg B 6 $ClCH_2CH_2Cl$ MW 98.97	1 l = 1.25 kg	1 l 2½ l	6.30 13.25	
•|• **1,2-Dichloroethane** $ClCH_2CH_2Cl$ MW 98.97	1 l = 1.25 kg	1 l 2½ l 50 kg	5.25 10.50	1.70
•|• **1,1-Dichloroethylene** for synthesis (LAB) stabilised with 0.03% hydroquinone monomethyl ether $C_2H_2Cl_2$ MW 96.94	1 l = 1.22 kg	1 l	11	
•|• *trans*-**1,2-Dichloroethylene** for synthesis (ORG) $C_2H_2Cl_2$ MW 96.94	1 l = 1.26 kg	1 l	9.—	
2′,7′-Dichlorofluorescein for chromatography $C_{20}H_{10}Cl_2O_5$ MW 401.21	2	1 g 5 g	3.50 10.—	
101 •|• **2′,7′-Dichlorofluorescein** spray reagent 0.1% for chromatography		spray-can (cont. about 260 ml)	6.30	
1,6-Dichlorohexane for synthesis (ORG) $C_6H_{12}Cl_2$ MW 155.07	1 l = 1.06 kg	250 ml	21.—	
•|• α-**Dichlorohydrin** (1,3-dichloro-2-propanol) for synthesis (LAB) $C_3H_6Cl_2O$ MW 128.99 TYPE ANALYSIS: d 20°/4° . . . . . 1.358–1.362 Refractive index ($n_D^{20°}$) . . . . 1.4825–1.4835 Boiling-range . . . 174–180° C Residue on ignition (as sulfates) . . . 0.01%	1 l = 1.36 kg	250 ml 1 l	10.— 31.—	
•|• β-**Dichlorohydrin** (2,3-dichloro-1-propanol) for synthesis (ORG) $C_3H_6Cl_2O$ MW 128.99	1 l = 1.36 kg	100 ml	18.—	

		Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
6050	**Dichloromethane** GR CH_2Cl_2 MW 84.93	1 l = 1.32 kg	1 l 7.— 2½ l 15.—	
	CERTIFICATE OF GUARANTEE: Assay (gas chromatographic) . . . min. 99.5% Non-volatile substances . . max. 0.002 % Free acid (as HCl) . . . max. 0.001 % Free halogen (as Cl) . . . . max. 0.00002% Formaldehyde (HCHO) . . . max. 0.0005 % Ethanol (C_2H_5OH) max. 0.3 % Water . . . . . max. 0.05 %		standard box 30 x 1 l 1 l 6.50 4 x 30 x 1 l 1 l 6.25 8 x 2½ l 2½ l 14.25 8 x 8 x 2½ l 2½ l 13.75 60 kg	3.60
6048	**Dichloromethane** for spectroscopy **Uvasol**® CH_2Cl_2 MW 84.93	1 l = 1.32 kg	500 ml 9.50 1 l 15.75 2½ l 37.75	
	CERTIFICATE OF GUARANTEE: Suitability for UV spectroscopy (1-cm cell; reference : water) Transmittance at 230 nm . . . . . min. 10% 240 nm . . . . . min. 70% 250 nm . . . . . min. 95% 270 nm . . . . . 100% Suitability for IR spectroscopy passes test			
6046	**Dichloromethane** for fluorometry CH_2Cl_2 MW 84.93	1 l = 1.32 kg	1 l 21.—	
6049	**Dichloromethane** CH_2Cl_2 MW 84.93	1 l = 1.32 kg	2½ l 12.50 60 kg	3.15
	TYPE ANALYSIS: Assay (gas chromatographic) . . . . 99% d 20°/4° . . . . . 1.320–1.325 Refractive index ($n_D^{20°}$) . . . . . 1.424–1.425 Boiling-range . . . 39–41° C Chloride (Cl) . . . . 0.0001% Water (acc. to Karl Fischer) . . . 0.1 % Non-volatile substances . . . . 0.005 %			
	Dichloromethane-d_2 see Dideuterodichloromethane			
3902	*N*-**(Dichloromethylene)-aniline** for synthesis (ORG) $C_7H_5Cl_2N$ MW 174.03	1 l = 1.28 kg	25 ml 12.50	
3467	**(Dichloromethyl) methyl ether** for synthesis (LAB) $C_2H_4Cl_2O$ MW 114.96	1 l = 1.27 kg	100 ml 60.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
67	**Dichloro-(methyl)-vinylsilane** for synthesis (ORG) $C_3H_6Cl_2Si$ MW 141.07 1 l = 1.09 kg		100 ml	14.—	
14	**2,4-Dichlorophenol** for synthesis (ORG) $C_6H_4Cl_2O$ MW 163.00	2	500 g	9.25	
28	**2,6-Dichlorophenolindophenol sodium salt** dihydrate GR (for determination of ascorbic acid) $C_{12}H_6Cl_2NNaO_2 \cdot 2H_2O$ MW 326.11 CERTIFICATE OF GUARANTEE: Assay (redox titration; on dried substance) . . . min. 95 % Substances insoluble in water max. 0.01% Foreign dyes . . . passes test Loss on drying (120 °C) 12.4–14.0%	3	1 g 5 g 25 g	3.75 11.— 44.—	
	3,3″-Dichlorophenolsulfonphthalein see Chlorophenol red				
308	**1,2-Dichloropropane** for synthesis (ORG) $C_3H_6Cl_2$ MW 112.99 1 l = 1.16 kg		1 l 2½ l	5.80 12.—	
333	**1,3-Dichloropropane** for synthesis (ORG) $C_3H_6Cl_2$ MW 112.99 1 l = 1.19 kg		100 ml	15.—	
	Dichloropropanol see Dichlorohydrin				
5	**3,5-Dichloropyridine** for synthesis (ORG) $C_5H_3Cl_2N$ MW 147.99	1.2	25 g	12.50	
7	**2,6-Dichloroquinone chlorimide** GR (reagent for Vitamin B_6) $C_6H_2Cl_3NO$ MW 210.45 CERTIFICATE OF GUARANTEE: Assay (ex N) . . min. 98% Melting-point . . . 65–67° C Inorganic chloride (Cl) . . max. 0.01 % Heavy metals (as Pb) . . . . max. 0.002% Iron (Fe) . . . . max. 0.002% Sulfated ash . . . max. 0.1 % Suitability for detection of phenol . . . passes test	1.7	5 g 10 g	6.10 10.50	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Dichromate-sulfuric acid mixture see Chromosulfuric acid				
	1,10-Dicyanodecane see Dodecanedinitrile				
	Dicyanodiamide see Cyanoguanidine				
2948	**Dicyclohexylamine** for synthesis (LAB) $C_{12}H_{23}N$ MW 181.32 1 l = 0.91 kg TYPE ANALYSIS: Assay (gas chromatographic) . . . . 97% d 20°/4° . . . . . 0.912–0.914 Refractive index ($n_D^{20°}$) . . . . . 1.484–1.486 Boiling-range (95%, 12 mm) . . 119–122° C		250 ml 1 l	4.75 11.50	
2954	*N,N'*-**Dicyclohexylcarbodiimide** for synthesis (LAB) $C_{13}H_{22}N_2$ MW 206.33 TYPE ANALYSIS: Assay (ex N) . . . . 98% Melting-point . . . . 32–35° C Sulfated ash 0.1%	1	100 g 1 kg 2½ kg	11.— 90.— 205.—	
3038	**Dicyclopentadiene** for synthesis (LAB) $C_{10}H_{12}$ MW 132.21 1 l = 0.98 kg TYPE ANALYSIS: Assay (gas chromatographic) . . . . about 95% Boiling-point (slight decomposition) about 170° C Sulfated ash . . . 0.1%		1 l	9.25	
3036	**Dicyclopentadienyltitanium dichloride** for synthesis (ORG) $C_{10}H_{10}Cl_2Ti$ MW 249.00	2	10 g	92.—	
3027	**Dicyclopentadienylzirconium dichloride** for synthesis (ORG) $C_{10}H_{10}Cl_2Zr$ MW 292.32	2	10 g	45.—	

	Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
Dideuterodichloromethane deuteration degree not less than 99% for spectroscopy **Uvasol**® CCl_2D_2 MW 86.95 1 l = 1.36 kg		1 ml 10 ml	25.— 200.—	
Dideuteroformaldehyde about 30% in heavy water, deuteration degree not less than 99%, stabilised with about 11% tetradeuteromethanol 1 l = 1.08 kg		5 ml 20 ml	47.50 170.—	
Dideuteroformic acid deuteration degree not less than 99% for spectroscopy **Uvasol**® CD_2O_2 MW 48.04 1 l = 1.27 kg CERTIFICATE OF GUARANTEE: Suitability for IR and NMR spectroscopy passes test		1 ml 10 ml	19.— 155.—	
Dideuteromethylene chloride see Dideuterodichloromethane				
Dideuterooxalic acid deuteration degree not less than 99% $C_2D_2O_4$ MW 92.05		5 g 25 g	37.50 175.—	
Dideuterosulfuric acid see *di*-Deuterosulfuric acid, page 233				
1,2-Dideutero-1,1,2,2-tetrachloroethane deuteration degree not less than 99% for spectroscopy **Uvasol**® $C_2D_2Cl_4$ MW 169.86 1 l = 1.62 kg		5 ml 20 ml	20.— 65.—	
Diethanolamine for synthesis (LAB) $C_4H_{11}NO_2$ MW 105.14 1 l = 1.09 kg TYPE ANALYSIS: Assay (acidimetric) . 99–101% d 20°/4° . . . . . 1.095–1.098 Refractive index ($n_D^{20°}$) . . . . 1.4765–1.4775 Melting-point . . . . abt. 28° C Residue on ignition (as sulfates) . . . 0.1%		500 ml 1 l 5 l	5.— 8.— 30.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
406	**2,5-Diethoxyaniline** for synthesis (ORG) $C_{10}H_{15}NO_2$ MW 181.24	1.8	250 g	18.50	
	4,4′-Diethoxyazoxybenzene see 4,4′-Azoxyphenetole				
	1,2-Diethoxybenzene see Pyrocatechol diethyl ether				
	1,4-Diethoxybenzene see Hydroquinone diethyl ether				
	4,4-Diethoxybutylamine see 4-Aminobutyraldehyde diethyl acetal				
	4,4-Diethoxybutyl chloride see 4-Chlorobutyraldehyde diethyl acetal				
3287	**1,2-Diethoxycyclobutenedione** for synthesis (ORG) $C_8H_{10}O_4$ MW 170.17 1 l = 1.16 kg		5 ml	15.25	
	1,1-Diethoxyethane see Acetaldehyde diethyl acetal				
3214	*N,N*-**Diethylacetamide** for synthesis (ORG) $C_6H_{13}NO$ MW 115.18 1 l = 0.91 kg		100 ml	12.75	
74	**Diethyl acetamidomalonate** for synthesis (ORG) $C_9H_{15}NO_5$ MW 217.22	1	25 g	12.—	
	Diethylacetic acid see 2-Ethylbutyric acid				
86	**Diethyl adipate** for synthesis (ORG) $C_{10}H_{18}O_4$ MW 202.25 1 l = 1.00 kg		250 ml	8.50	
279	**Diethyl allylmalonate** for synthesis (ORG) $C_{10}H_{16}O_4$ MW 200.24 1 l = 1.02 kg		100 ml	24.—	
3010	**Diethylamine** for synthesis (LAB) $(C_2H_5)_2NH$ MW 73.14 1 l = 0.70 kg TYPE ANALYSIS: Assay (acidimetric) . . 98% d 20°/4° . . . . . 0.704–0.708 Boiling-range (90%) . 54–57° C Residue on evaporation 0.1%		500 ml 1 l 2½ l 25 kg	5.— 7.50 17.—	6.50
	4-Diethylaminoanilinium chloride see *N,N*-Diethyl-*p*-phenylenediamine hydrochloride				

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
		2-Diethylaminoethanol see *N,N*-Diethylethanolamine				
		2-(Diethylamino)-ethylamine see *N,N*-Diethylethylenediamine				
4		**1-(Diethylamino)-4-pentanone** for synthesis (ORG) $C_9H_{19}NO$ MW 157.26 1 l = 0.86 kg		25 ml	13.25	
6	†	**3-(Diethylamino)-phenol** for synthesis (ORG) $C_{10}H_{15}NO$ MW 165.24	1.5	250 g	13.25	
		N,N-Diethyl-3-aminophenol see 3-(Diethylamino)-phenol				
		3-(Diethylamino)-propylamine see *N,N*-Diethyltrimethylenediamine				
		5-(Diethylamino)-*o*-tolylammonium chloride see Colour developer 2				
08		**Diethylammonium *N,N*-diethyldithiocarbamate** GR $C_9H_{22}N_2S_2$ MW 222.42	4.5	25 g 100 g	4.25 13.75	
6	•|•	*N,N*-**Diethylaniline** GR (reagent for zinc) $C_{10}H_{15}N$ MW 149.24 1 l = 0.93 kg CERTIFICATE OF GUARANTEE: Assay (perchloric acid titration) . . . min. 99% Boiling-range . . 216–218° C d 20°/4° . . . . 0.933–0.936 Refractive index ($n_D^{20°}$) . . . . 1.541–1.542 Non-volatile substances . . max. 0.01 % Chloride (Cl) . . max. 0.0005% Sulfate (SO_4) . . max. 0.0005% Heavy metals (as Pb) . . . max. 0.001 % Suitability for determination of zinc . . . . passes test		100 ml 250 ml	4.25 7.60	
88		**Diethyl azelate** for synthesis (ORG) $C_{13}H_{24}O_4$ MW 244.33 1 l = 0.97 kg		100 ml	15.–	
		5,5-Diethylbarbituric acid see Barbital				
		5,5-Diethylbarbituric acid sodium salt see Barbital sodium				

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				Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
				DM	DM
1265	**Diethyl benzylmalonate** for synthesis (ORG) $C_{14}H_{18}O_4$ MW 250.30	1 l = 1.08 kg	100 ml	26.25	
	Diethyl *trans*-butenedioate see Diethyl fumarate				
1274	**Diethyl butylmalonate** for synthesis (ORG) $C_{11}H_{20}O_4$ MW 216.28	1 l = 0.97 kg	250 ml	9.—	
3550	*N,N*-**Diethylcarbamoyl chloride** for synthesis (ORG) $C_5H_{10}ClNO$ MW 135.59	1 l = 1.07 kg	25 ml	9.—	
2898	**Diethyl carbonate** for synthesis (LAB) $C_5H_{10}O_3$ MW 118.13 TYPE ANALYSIS: Assay (gas chromatographic) . . . . . 98% d 20°/4° . . . . . 0.972–0.976 Refractive index ($n_D^{20°}$) . . . . . 1.384–1.386 Boiling-range (95%) 123–126° C	1 l = 0.97 kg	250 ml 1 l	5.— 13.25	
	N,N-Diethylchloroformamide see *N,N*-Diethylcarbamoyl chloride				
2594	**Diethyl chloromalonate** for synthesis (ORG) $C_7H_{11}ClO_4$ MW 194.62	1 l = 1.20 kg	100 ml	15.—	
3614	**Diethyl diallylmalonate** for synthesis (ORG) $C_{13}H_{20}O_4$ MW 240.30	1 l = 1.00 kg	100 ml	12.50	
1360	**Diethyl diethylmalonate** for synthesis (ORG) $C_{11}H_{20}O_4$ MW 216.28	1 l = 0.98 kg	100 ml	7.50	
	Diethyldithiocarbamic acid silver salt see Silver diethyldithiocarbamate				
	Diethyldithiocarbamic acid sodium salt see Sodium diethyldithiocarbamate				
3131	**Diethylene glycol** for synthesis (LAB) $C_4H_{10}O_3$ MW 106.12 TYPE ANALYSIS: d 20°/4° . . . . . 1.115–1.116 Refractive index ($n_D^{20°}$) . . . . . 1.446–1.447 Boiling-range . . . 243–246° C Sulfated ash . . . 0.01%	1 l = 1.11 kg	P 1 l 2½ l	6.80 15.75	

	Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
Diethylene glycol $C_4H_{10}O_3$ MW 106.12 — 1 l = 1.11 kg	5 l 60 kg	27.25	4.15
Diethylene glycol dibutyl ether for synthesis (LAB) $C_{12}H_{26}O_3$ MW 218.34 — 1 l = 0.89 kg TYPE ANALYSIS: Assay (gas chromatographic) . . . . 97% d 20°/4° . . . . . 0.882–0.887 Refractive index ($n_D^{20°}$) . . . . . 1.422–1.425 Boiling-range (95%) 125–130 °C/11 torr	250 ml 1 l	11.— 35.—	
Diethylene glycol diethyl ether for synthesis (LAB) $C_8H_{18}O_3$ MW 162.23 — 1 l = 0.91 kg TYPE ANALYSIS: Assay (gas chromatographic) . . . . 97% d 20°/4° . . . . . 0.905–0.915 Refractive index ($n_D^{20°}$) . . . . . 1.411–1.415 Boiling-range (95%) 185–193° C	250 ml 1 l	6.50 18.—	
Diethylene glycol dimethyl ether for synthesis (LAB) $C_6H_{14}O_3$ MW 134.18 — 1 l = 0.95 kg TYPE ANALYSIS: Assay (gas chromatographic) . . . . 97% d 20°/4° . . . . . 0.944–0.947 Refractive index ($n_D^{20°}$) . . . . . 1.406–1.409 Boiling-range (95%) 159–164° C	250 ml 1 l	12.— 40.—	
Diethylene glycol ethyl ether acetate for synthesis (ORG) $C_8H_{16}O_4$ MW 176.21 — 1 l = 1.01 kg	250 ml	6.60	
Diethylene glycol monobutyl ether for synthesis (LAB) $C_8H_{18}O_3$ MW 162.23 — 1 l = 0.96 kg	1 l	8.50	
Diethylene glycol monoethyl ether for synthesis (LAB) $C_6H_{14}O_3$ MW 134.18 — 1 l = 0.99 kg	1 l		
Diethylene glycol monomethyl ether for synthesis (LAB) $C_5H_{12}O_3$ MW 120.15 — 1 l = 1.02 kg	1 l		
Diethylenetriamine for synthesis (ORG) $C_4H_{13}N_3$ MW 103.17 — 1 l = 0.95 kg	250 ml 1 l	5.25 15.25	

Diethylenetriaminepentaacetic acid see Titriplex V

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			Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
3273		***N,N*-Diethylethanolamine** for synthesis (ORG) $C_6H_{15}NO$ MW 117.19	1 l = 0.88 kg	250 ml 6.30 1 l 16.75	
931	•|•	**Diethyl ether** GR $(C_2H_5)_2O$ MW 74.12	1 l = 0.71 kg	500 ml 5.— 1 l 8.50 5 l 35.—	
		CERTIFICATE OF GUARANTEE: Assay (gas chromatographic) . . min. 99.5% Free acid (as CH_3COOH) . max. 0.001 % Lead (Pb) . . max. 0.000005% Copper (Cu) . max. 0.000005% Iron (Fe) . . . max. 0.000005% Zinc (Zn) . . . max. 0.000005% Methanol . . . max. 0.02 % Ethanol . . . . max. 0.02 % Acetone . . . max. 0.005 % Readily carbonisable substances . passes test Peroxide (as H_2O_2) . . max. 0.00003 % Water . . . . . max. 0.1 % Non-volatile substances . max. 0.002 %		standard box 15 x 1 l 1 l 8.— 8 x 15 x 1 l 1 l 7.75 6 x 5 l 5 l 33.— 4 x 6 x 5 l 5 l 32.—	
929	•|•	**Diethyl ether** dried (max. 0.01% water) GR $C_4H_{10}O$ MW 74.12	1 l = 0.71 kg	1 l 12.50	
931	•|•	**Diethyl ether** for pesticide residue analysis $C_4H_{10}O$ MW 74.12	1 l = 0.71 kg	1 l 12.50	
930	•|•	**Diethyl ether** for spectroscopy **Uvasol®** $(C_2H_5)_2O$ MW 74.12	1 l = 0.71 kg	500 ml 8.— 1 l 13.75	
		CERTIFICATE OF GUARANTEE: Suitability for UV spectroscopy (1-cm cell; reference : water) Transmittance at 210 nm . . . . . min. 17% 230 nm . . . . . min. 45% 250 nm . . . . . min. 72% 280 nm . . . . . min. 92% 330 nm . . . . . 100% Suitability for IR spectroscopy passes test			
928	•|•	**Diethyl ether Selectipur®** $(C_2H_5)_2O$ MW 74.12	1 l = 0.71 kg	1 l price on application	

	Volume		Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
			DM	DM
Diethyl ether extra pure (max. 0.2% water) $(C_2H_5)_2O$ MW 74.12	1 l = 0.71 kg	1 l 5 l 45 kg	6.75 27.—	 5.25
Diethyl ether DAB 7, BP 1963 $(C_2H_5)_2O$ MW 74.12 TYPE ANALYSIS: Assay (gas chromatographic) . . . . 99% d 20°/4° . . . . . 0.712–0.714 Boiling-range . . . 34–35% Acetone . . . . . 0.02 % Non-volatile substances . . . . . 0.002% Water (acc. to Karl Fischer) . . . . 0.3 %	1 l = 0.71 kg	1 l 5 l standard box 15 x 1 l 1 l 8 x 15 x 1 l 1 l 6 x 5 l 5 l 4 x 6 x 5 l 5 l 45 kg	6.— 22.50 5.60 5.40 21.— 20.50	 4.—
Diethyl ethoxymethylenemalonate for synthesis (ORG) $C_{10}H_{16}O_5$ MW 216.24	1 l = 1.08 kg	100 ml	14.75	
Diethyl 2-(ethoxymethylene)-propanedioate see Diethyl ethoxymethylenemalonate				
N,N-**Diethylethylenediamine** for synthesis (ORG) $C_6H_{16}N_2$ MW 116.21	1 l = 0.83 kg	100 ml	15.75	
Diethyl ethylmalonate for synthesis (ORG) $C_9H_{16}O_4$ MW 188.23	1 l = 1.00 kg	250 ml	11.50	
Diethyl fumarate for synthesis (ORG) $C_8H_{12}O_4$ MW 172.18	1 l = 1.05 kg	250 ml	5.25	
Diethyl heptanedioate see Diethyl pimelate				
Diethyl hexanedioate see Diethyl adipate				
Di(2-ethylhexyl)-adipate see Bis(2-ethylhexyl) adipate				
Diethyl ketone (3-pentanone) for synthesis (LAB) $C_5H_{10}O$ MW 86.13	1 l = 0.82 kg	250 ml 1 l	8.— 23.75	

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		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
378	**Diethyl maleate** for synthesis (LAB) $C_8H_{12}O_4$ MW 172.18 1 l = 1.07 kg		250 ml 1 l	9.— 25.—	
898	**Diethyl malonate** for synthesis (LAB) $C_7H_{12}O_4$ MW 160.17 1 l = 1.05 kg TYPE ANALYSIS: d 20°/4° . . . . . 1.053–1.055 Refractive index ($n_D^{20°}$) . . . . . 1.414–1.415 Boiling-range (90%) . . . . . 196–200° C		250 ml 1 l 2½ l	6.30 18.50 42.—	
903	**Diethyl 1-methylbutylmalonate** for synthesis (ORG) $C_{12}H_{22}O_4$ MW 230.31 1 l = 0.97 kg		100 ml	15.75	
	*N*⁴,*N*⁴-Diethyl-2-methyl-*p*-phenylene diamine hydrochloride see Colour developer 2				
5900	**Diethyl 2-methyl-2-phenylmalonate** for synthesis (ORG) $C_{14}H_{18}O_4$ MW 250.30 1 l = 1.08 kg		100 ml	23.75	
	Diethyl 2-methyl-2-phenylpropanedioate see Diethyl 2-methyl-2-phenylmalonate				
905	**Diethyl 1-methylpropylmalonate** for synthesis (ORG) $C_{11}H_{20}O_4$ MW 216.28 1 l = 0.98 kg		100 ml	15.75	
	N,*N*-Diethylnicotinamide see Nikethamide				
	Diethyl octanedioate see Diethyl suberate				
7059	**Diethyl oxalate** for synthesis (LAB) $C_6H_{10}O_4$ MW 146.14 1 l = 1.08 kg TYPE ANALYSIS: Assay (gas chromatographic) . . . . 96% d 20°/4° . . . . . 1.076–1.084 Refractive index ($n_D^{20°}$) . . . . . 1.409–1.412 Boiling-range (95%) 182–187° C		250 ml 1 l	5.25 15.—	
7060	**Diethyl oxaloacetate sodium derivative** for synthesis (LAB) $C_8H_{11}NaO_5$ MW 210.16	2.3	250 g 1 kg	6.60 18.50	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	N,N-Diethyl-*p*-phenylenediamine hydrochloride see Colour developer 1 chloride				
1	***N,N*-Diethyl-*p*-phenylenediamine sulfate** GR $C_{10}H_{18}N_2O_4S$ MW 262.33	1.8	100 g	6.75	
	see also Colour developer 1 sulfate				
7	**Diethyl phthalate** $C_{12}H_{14}O_4$ MW 222.24 1 l = 1.11 kg		1 l	10.75	
3	**Diethyl pimelate** for synthesis (ORG) $C_{11}H_{20}O_4$ MW 216.28 1 l = 0.98 kg		25 ml	13.25	
	N,N-Diethyl-1,3-propanediamine see *N,N*-Diethyltrimethylenediamine				
88	**2,2-Diethyl-1,3-propanediol** for synthesis (ORG) $C_7H_{16}O_2$ MW 132.20	2	100 g	9.50	
76	**Diethyl *iso*-propylmalonate** for synthesis (ORG) $C_{10}H_{18}O_4$ MW 202.25 1 l = 0.98 kg		100 ml	6.60	
	Diethyl sebacate for synthesis (ORG) $C_{14}H_{26}O_4$ MW 258.36 1 l = 0.96 kg		100 ml	7.50	
4	**Diethylstilbestrol** DAB 7, BP 1968, Cod Franç 1949, JP VII, Ph Internat I, Ph Ned VI, USP XVII $C_{18}H_{20}O_2$ MW 268.36 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.9	100 g 250 g 1 kg	35.— 85.— 330.—	
15	**Diethyl suberate** for synthesis (ORG) $C_{12}H_{22}O_4$ MW 230.31 1 l = 0.98 kg		100 ml	18.75	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
680	**Diethyl succinate** for synthesis (LAB) $C_8H_{14}O_4$ MW 174.20 1 l = 1.04 kg		250 ml 1 l	8.— 27.50	
3105	**Diethyl sulfate** for synthesis (LAB) $C_4H_{10}O_4S$ MW 154.19 1 l = 1.18 kg TYPE ANALYSIS: Assay (gas chromatographic) . . . . 97% d 20°/4° . . . . . 1.174–1.180 Refractive index ($n_D^{20°}$) . . . . . 1.400–1.402 Boiling-range (95%, 15 mm) . . . 94–98 °C		500 ml 1 l	7.30 13.—	
3103	**Diethyl sulfite** for synthesis (LAB) $C_4H_{10}O_3S$ MW 138.19 1 l = 1.11 kg		100 ml	34.75	
3520	**1,3-Diethylthiourea** (*N,N'*-Diethylthiourea) for synthesis (ORG) $C_5H_{12}N_2S$ MW 132.23	2	250 g	11.50	
3217	*N,N*-**Diethyltrimethylenediamine** for synthesis (ORG) $C_7H_{18}N_2$ MW 130.23 1 l = 0.86 kg		250 ml 1 l	8.50 25.25	
3042	**Digitalin** German, BPC 1954 $C_{36}H_{56}O_{14}$ MW 712.84	1.5	5 g 25 g 100 g	60.50 273.— 1050.—	
	Digitalin cryst. see Digitoxin				
3996	**Digitalis leaves** DAB 7 (coarse powder)	3	10 g (5 x 2 g) 75 g	9.— 4.75	
3043	**Digitonin** cryst. $C_{56}H_{92}O_{29}$ MW 1229.34	4	1 g 5 g 100 g	10.— 45.25 price on application	
2952	**Digitoxigenin** $C_{23}H_{34}O_4$ MW 374.53	1.8	0.1 g	27.25	
3044	**Digitoxin** DAB 7, BP 1968, USP XVII $C_{41}H_{64}O_{13}$ MW 764.96 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	3	1 g 5 g	16.75 79.—	

	Volume		Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
			DM	DM
D(+)**Digitoxose** for biochemistry (LAB) $C_6H_{12}O_4$ MW 148.16	2	0.1 g	19.—	
Digol see Diethylene glycol				
Digoxin cryst. BP 1968, USP XVII $C_{41}H_{64}O_{14}$ MW 780.96	3	**1 g** **10 g** **100 g**	**prices on application**	
4,4′-Diheptyloxyazoxybenzene Licristal® for spectroscopy $C_{26}H_{38}N_2O_3$ MW 426.60	7	25 g 100 g	23.25 77.—	
4,4′-Dihexyloxyazoxybenzene Licristal® for spectroscopy $C_{24}H_{34}N_2O_3$ MW 398.55	2.2	25 g 100 g	20.— 68.—	
9,10-Dihydro-9,10-anthracenedione see Anthraquinone				
1,3-Dihydrobenzo[c]furan-1-one see Phthalide				
Dihydrocodeinone hydrogen tartrate see page 482				
10,11-Dihydro-5*H*-dibenzo[a,d]cyclohepten-5-one see Dibenzosuberone				
Dihydrodiphosphopyridine nucleotide disodium salt see Dihydronicotinamide-adenine-dinucleotide disodium salt				
Dihydroergotaminium tartrate $C_{70}H_{80}N_{10}O_{16}$ MW 1317.48 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2.5	**0.1 g** **1 g**	6.30 53.—	
2,5-Dihydrofuran for synthesis (ORG) C_4H_6O MW 70.09 1 l = 0.95 kg		100 ml	12.—	
3,4-Dihydro-2-(hydroxymethyl)-2*H*-pyran see 3,4-Dihydro-2*H*-pyran-2-ylmethanol				

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			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	2,3-Dihydroindole see Indoline						
6069	**2,5-Dihydro-3-methyl-1-phenylphosphol-1-oxide** for synthesis (LAB) $C_{11}H_{13}OP$ MW 192.20				5 g	14.—	
	3,4-Dihydro-2-methyl-3-o-tolyl-4-quinazolinone see Methaqualone						
3407	○ **Dihydronicotinamide-adenine-dinucleotide ($NADH_2$) disodium salt** for biochemistry (LAB) $C_{21}H_{27}N_7Na_2O_{14}P_2$ MW 709.42 Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.		3		10 mg 100 mg 1 g	5.25 12.50 89.—	
3403	○ **Dihydronicotinamide-adenine-dinucleotidephosphate (NADPH$_2$) tetrasodium salt** for biochemistry (LAB) $C_{21}H_{26}N_7Na_4O_{17}P_3$ MW 833.36 Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.		3		10 mg	16.75	
	9,10-Dihydro-9-oxoanthracene see Anthrone						
	1,6-Dihydro-7*H*-purin-6-one see Hypoxanthine						
2971	⁂ **3,4-Dihydro-2*H*-pyran** for synthesis (LAB) C_5H_8O MW 84.12 1 l = 0.93 kg TYPE ANALYSIS: Assay (gas chromatographic) . . . . . 97% d 20°/4° . . . . . 0.930–0.934 Refractive index ($n_D^{20°}$) . . . . . 1.439–1.442 Boiling-range (95%) 83–87° C				250 ml 1 l	29.— 101.—	
3228	**3,4-Dihydro-2*H*-pyran-2-carboxylic acid sodium salt** for synthesis (ORG) $C_6H_7NaO_3$ MW 150.11				25 g	11.	
3230	**3,4-Dihydro-2*H*-pyran-2-ylmethanol** for synthesis (ORG) $C_6H_{10}O_2$ MW 114.15 1 l = 1.06 kg				25 ml	9.50	

	Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5α-Dihydrotestosterone (17β-hydroxy-5α-androstan-3-one) (LAB) $C_{19}H_{30}O_2$ MW 290.45	2.5		10 g 100 g	31.50 263.—	
5β-Dihydrotestosterone (17β-hydroxy-5β-androstan-3-one) (LAB) $C_{19}H_{30}O_2$ MW 290.45	2.5		1 g 10 g	7.50 58.—	
Dihydroxyaluminium allantoinate	4	P	1 kg 25 kg	50.—	price on application
1,8-Dihydroxyanthraquinone DAB 7 $C_{14}H_8O_4$ MW 240.22	1.5		100 g 250 g 1 kg 50 kg	7.50 16.25 56.—	49.50
1,2-Dihydroxy-3,5-benzenedisulfonic acid disodium salt see 3,5-Pyrocatecholdisulfonic acid disodium salt					
2,4-Dihydroxybenzoic acid for synthesis (ORG) $C_7H_6O_4$ MW 154.12	3		100 g	7.50	
2,6-Dihydroxybenzoic acid for synthesis (ORG) $C_7H_6O_4$ MW 154.12	2		100 g	13.—	
3,5-Dihydroxybenzoic acid for synthesis (ORG) $C_7H_6O_4$ MW 154.12	2		100 g	10.50	
2,5-Dihydroxybenzoic acid sodium salt see Gentisic acid sodium salt					
3α,6α-Dihydroxy-5β-cholanic acid see Hyodeoxycholic acid					
3α,12α-Dihydroxy-5β-cholanic acid see Deoxycholic acid					
1,2-Dihydroxy-3,4-cyclobutenedione for synthesis (ORG) $C_4H_2O_4$ MW 114.06	3		5 g	14.75	
2,2′-Dihydroxy-3,3′-dibromo-5,5′-dichlorodiphenylmethane see Bromochlorophene					

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	2,2′-Dihydroxydiethyl ether see Diethylene glycol				
	4,4′-Dihydroxy-α,α′-diethylstilbene see Diethylstilbestrol				
	2,2-Dihydroxy-1,3-dioxohydrindene see Ninhydrin				
	11β,21-Dihydroxy-3,20-dioxo-4-pregnen-18-al 11→18 hemiacetal see Aldosterone				
	1,12-Dihydroxydodecane see 1,12-Dodecanediol				
	3,16α-Dihydroxy-1,3,5(10)-estratriene-17-one see 16α-Hydroxyestrone				
	1,6-Dihydroxyhexane see 1,6-Hexanediol				
	2,2-Dihydroxy-1,3-hydrindenedione see Ninhydrin				
	α,4-Dihydroxy-3-methoxyphenylacetic acid see 4-Hydroxy-3-methoxymandelic acid				
	2,4-Dihydroxy-5-methylpyrimidine see Thymine				
	1,3-Dihydroxynaphtalene see 1,3-Naphthalenediol				
	4,5-Dihydroxy-2,7-naphthalene disulfonic acid sodium salt see Chromotropic acid sodium salt				
	2,6-Dihydroxy-*iso*-nicotinic acid see Citrazinic acid				
4196	**3,4-Dihydroxy-L-phenylalanine** (L-DOPA) for biochemistry (LAB) $C_9H_{11}NO_4$ MW 197.19		1 g 5 g	6.— 22.50	
	17α,21-Dihydroxy-1,4-pregnadiene-3,11,20-trione see Prednisone				
	17α,21-Dihydroxy-5α-pregnane-3,11,20-trione see Allodihydrocortisone				
	17α,21-Dihydroxy-4-pregnene-3,20-dione see Reichstein's substance "S"				
	11β,21-Dihydroxy-4-pregnene-3,20-dione see Corticosterone				

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	17α,21-Dihydroxy-4-pregnene-3,11,20-trione see Cortisone				
	2,6-Dihydroxy-4-pyridinecarboxylic acid see Citrazinic acid				
	1,2-Dihydroxy-3,4,5,6-tetraoxo-1-cyclohexene sodium salt see Rhodizonic acid sodium salt				
	3,5-Dihydroxytoluene see Orcinol				
	Diiodine pentoxide see *di*-Iodine pentoxide				
9	**Diiododithymol** (thymol biiodide) $C_{20}H_{24}I_2O_2$ MW 550.22	3	**100 g** **1 kg**	20.— 165.—	
4	**5,7-Diiodo-8-hydroxyquinoline** BP 1968, Cod Franç 1965, USP XVII $C_9H_5I_2NO$ MW 396.96	4.5	**100 g** **5 kg** **20 kg**	6.— 178.—	 32.50
	Diiodomethane (d 20°/4° 3.31–3.32) for separation of minerals (LAB) CH_2I_2 MW 267.84 1 l = 3.31 kg Refractive index ($n_D^{20°}$) about 1.740		25 ml 100 ml	17.25 60.	
	Diiodomethane CH_2I_2 MW 267.84 1 l = 3.31 kg		**25 ml** **100 ml**	14.75 48.25	
	5,7-Diiodo-8-quinolinol see 5,7-Diiodo-8-hydroxyquinoline				
	β-(Diisopropylamino)-ethyl chloride hydrochloride see *N*-(2-Chloroethyl)-*N*,*N*-di-*iso*-propylammonium chloride				
3	**Dimedone** GR (reagent for aldehydes) $C_8H_{12}O_2$ MW 140.18 CERTIFICATE OF GUARANTEE: Assay . . . . . min. 99.5% Melting-point . . . 146–148° C Sulfated ash . . . max. 0.1% Suitability for determination of formaldehyde passes test	1.1	10 g 25 g	5 9	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	1,4-Dimercapto-(2,3)-butanediol see 1,4-Dithioerythrite				
	1,2-Dimercaptoethane see 1,2-Ethanedithiol				
	3,4-Dimercapto-1-methylbenzene see 3,4-Toluenedithiol				
3409	**2,3-Dimercapto-1-propanol** for complexometric determination (LAB) $C_3H_8OS_2$ MW 124.22 1 l = 1.24 kg TYPE ANALYSIS: Assay . . . . . 98% d 20°/4° . . . . . 1.240–1.243 Refractive index ($n_D^{20°}$) . . . . . 1.573–1.576 Boiling-range (95%, 12 mm) . . 120–124° C Heavy metals (as Pb) . . . . . 0.001% Iron (Fe) . . . . . 0.001% Sulfated ash . . . . . 0.1 %			5 ml 25 ml	9.50 37.75	
	2,5-Dimercapto-1,3,4-thiadiazole see Bismuthiol I				
	3,4-Dimercaptotoluene see 3,4-Toluenedithiol				
3510	**2,4-Dimethoxyacetophenone** for synthesis (ORG) $C_{10}H_{12}O_3$ MW 180.21	2		50 g	12.50	
3231	**2,5-Dimethoxyacetophenone** for synthesis (ORG) $C_{10}H_{12}O_3$ MW 180.21 1 l = 1.38 kg			10 ml	13.50	
424	**2,4-Dimethoxyaniline** for synthesis (ORG) $C_8H_{11}NO_2$ MW 153.18			100 g	11.—	
407	**2,5-Dimethoxyaniline** for synthesis (ORG) $C_8H_{11}NO_2$ MW 153.18	2		100 g 250 g	10.50 24.25	
	4,4′-Dimethoxyazoxybenzene see 4,4′-Azoxyanisole				
	3,4-Dimethoxybenzaldehyde see Veratraldehyde				
	1,3-Dimethoxybenzene see Resorcinol dimethyl ether				

	Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1,4-Dimethoxybenzene see Hydroquinone dimethyl ether				
o-Dimethoxybenzene see Veratrole				
3,3′-Dimethoxybenzidine see o-Dianisidine				
3,4-Dimethoxybenzonitrile for synthesis (ORG) $C_9H_9NO_2$ MW 163.18		10 g	10.50	
3,4-Dimethoxybenzyl alcohol for synthesis (ORG) $C_9H_{12}O_3$ MW 168.19 1 l = 1.18 kg		25 ml	16.50	
3,4-Dimethoxybenzyl methyl ketone for synthesis (ORG) $C_{11}H_{14}O_3$ MW 194.23 1 l = 1.12 kg		10 ml	19.—	
3,5-Dimethoxybenzyl 4-nitrophenyl carbonate for synthesis (LAB) $C_{16}H_{15}NO_7$ MW 333.30		5 g	22.—	
3,4-Dimethoxycinnamaldehyde for synthesis (ORG) $C_{11}H_{12}O_3$ MW 192.22		10 g	10.50	
2-(3,6-Dimethoxy-2,4-dimethylbenzyl)-2-imidazoline see Pilomotorikum H 1731				
1,2-Dimethoxyethane see Ethylene glycol dimethyl ether				
2,2-Dimethoxyethylamine see Aminoacetaldehyde dimethyl acetal				
Dimethoxymethane see Formaldehyde dimethyl acetal				
3,4-Dimethoxyphenethylamine (homoveratrylamine) $C_{10}H_{15}NO_2$ MW 181.24 1 l = 1.10 kg		100 ml	47.25	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. pack. Prices per kg DM
298	**3,4-Dimethoxyphenylacetic acid** (homoveratric acid) $C_{10}H_{12}O_4$ MW 196.20	2.4	100 g	59.—	
	1-(3,4-Dimethoxyphenyl)-2-propanone see 3,4-Dimethoxybenzyl methyl ketone				
	trans-3-(3,4-Dimethoxyphenyl)-propenal see 3,4-Dimethoxycinnamaldehyde				
	1-(3,4-Dimethoxyphenyl)-1-propene see Isoeugenol methyl ether				
2936	**2,2-Dimethoxypropane** (acetone dimethyl acetal) for synthesis (LAB) $C_5H_{12}O_2$ MW 104.15 1 l = 0.85 kg TYPE ANALYSIS: Assay (gas chromatographic) . . . . 97% d 20°/4° . . . . . 0.848–0.851 Refractive index ($n_D^{20°}$) . . . . . 1.377–1.379 Boiling-range (95%) 79–84° C		500 ml 1 l	13.50 24.50	
2961	**2,5-Dimethoxytetrahydrofuran** for synthesis (LAB) $C_6H_{12}O_3$ MW 132.16 1 l = 1.03 kg		250 ml 1 l	74. 268.	
3235	*N,N*-**Dimethylacetamide** for synthesis (ORG) C_4H_9NO MW 87.12 1 l = 0.94 kg		500 ml 1 l 2½ l	10.50 18. 40	
1375	**Dimethyl acetonedicarboxylate** for synthesis (ORG) $C_7H_{10}O_5$ MW 174.15 1 l = 1.19 kg		100 ml	13.—	
29	**Dimethyl acetylenedicarboxylate** for synthesis (LAB) $C_6H_6O_4$ MW 142.11 1 l = 1.13 kg		25 ml	28.—	
	3,3-Dimethylacrylate see 3-Methyl-2-butenoic acid				

	Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
Dimethylamine hydrochloride see Dimethylammonium chloride					
4-Dimethylaminoazobenzene see Methyl yellow					
4-Dimethylaminoazobenzene solution see Töpfer's reagent					
4-Dimethylaminoazobenzene-2′-carboxylic acid see Methyl red					
4-Dimethylaminoazobenzene-4′-sulfonic acid sodium salt see Methyl orange					
4-Dimethylaminobenzaldehyde GR $C_9H_{11}NO$ MW 149.19 CERTIFICATE OF GUARANTEE: Assay (perchloric acid titration) . min. 99%; Substances insoluble in ethanol . . . . . passes test; Melting-point . . . 73–75 °C; Iron (Fe) . . . . . max. 0.001%; Heavy metals (as Pb) . . . . max. 0.001%; Loss on drying . . max. 0.5 %; Sulfated ash . . . max. 0.1 %	1.8	P	25 g 100 g 1 kg	6.60 19.— 158.—	
01 • I • **4-Dimethylaminobenzaldehyde** spray reagent 0.5% for chromatography			spray-can (cont. about 260 ml)	6.30	
4-Dimethylaminobenzaldehyde for synthesis (LAB) $C_9H_{11}NO$ MW 149.19	1.8		25 g 100 g 250 g 1 kg	4.75 14.25 32.50 116.—	
Dimethylaminobenzene see *N*,*N*-Dimethylaniline					
5-(4-Dimethylaminobenzylidene)-rhodanine GR (reagent for silver) $C_{12}H_{12}N_2OS_2$ MW 264.37 CERTIFICATE OF GUARANTEE: Substances insoluble in acetone . . . passes test; Sulfated ash . . . max. 0.1%; Suitability for determination of silver . . . . passes test	T		5 g	6	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Dimethylaminocyclohexane see *N,N*-Dimethylcyclohexylamine					
	4-Dimethylamino-2,3-dimethyl-1-phenyl-3-pyrazolon-5-one see Dimethylaminophenazone					
3237	**2-Dimethylaminoethanol** for synthesis (ORG) $C_4H_{11}NO$ MW 89.14 1 l = 0.89 kg			500 ml	8.50	
	2-(Dimethylamino)-ethylamine see *N,N*-Dimethylethylenediamine					
587	**2-Dimethylaminoethyl methacrylate** for synthesis (ORG) stabilised with 1000 ppm hydroquinone $C_8H_{15}NO_2$ MW 157.21 1 l = 0.94 kg			250 ml	10.50	
	2-Dimethylaminoethyl 2-methylpropenoate see 2-Dimethylaminoethyl methacrylate					
4242	**3-(Dimethylaminomethyl)-indole** for synthesis (ORG) $C_{11}H_{14}N_2$ MW 174.25	2		25 g	11.50	
3094	**5-Dimethylamino-1-naphthalenesulfonyl chloride** fluorescent reagent for labelling of amino acids $C_{12}H_{12}ClNO_2S$ MW 269.75 TYPE ANALYSIS: Assay (argentometric) 98% Melting-point . . . . 70–72° C Sulfated ash 0.1%	2.5		1 g	14.—	
7455	**Dimethylaminophenazone** DAB 7, BPC 1954, Cod Franç 1949, NF X, Ph Internat I, Ph Ned VI $C_{13}H_{17}N_3O$ MW 231.30	2		250 g 1 kg 5 kg 50 kg	7.80 27.75 131.—	25.—

	Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
Dimethylaminophenazone fine powder DAB 7, BPC 1954, Cod Franç 1949, NF X, Ph Internat I, Ph Ned VI $C_{13}H_{17}N_3O$ MW 231.30	2.4	P	250 g	8.25	
			1 kg	28.25	
			5 kg	134.—	
			50 kg		25.75
4-Dimethylamino-1-phenyl-2,3-dimethyl-5-pyrazolone see Dimethylaminophenazone					
1-(Dimethylamino)-2-propanol for synthesis (ORG) $C_5H_{13}NO$ MW 103.17 1 l = 0.86 kg			250 ml	7.10	
			1 l	21.—	
3-(Dimethylamino)-1-propanol for synthesis (ORG) $C_5H_{13}NO$ MW 103.17 1 l = 0.88 kg			100 ml	10.50	
1-(Dimethylamino)-2-propylamine for synthesis (ORG) $C_5H_{14}N_2$ MW 102.18 1 l = 0.88 kg			100 ml	10.50	
3-Dimethylaminopropyl chloride hydrochloride see *N*-(3-Chloropropyl)-*N*,*N*-dimethylammonium chloride					
Dimethylammonium chloride for synthesis (LAB) C_2H_8ClN MW 81.55	2.1		[illegible]	[illegible]	
N,*N*-**Dimethylaniline** for synthesis (LAB) $C_8H_{11}N$ MW 121.18 1 l = 0.95 kg TYPE ANALYSIS: d 20°/4° . . . . . 0.955–0.957 Refractive index ($n_D^{20°}$) . . . . . 1.557–1.559 Boiling-range (95%) 191–194° C Aniline and monomethylaniline . 0.2 % Non-volatile substances 0.01%			[illegible]	[illegible]	
2,5-Dimethylaniline for synthesis (ORG) $C_8H_{11}N$ MW 121.18 1 l = 0.98 kg			100 ml	4.75	
2,6-Dimethylaniline for synthesis (ORG) $C_8H_{11}N$ MW 121.18 1 l = 0.98 kg			250 ml	10.50	
3,4-Dimethylaniline for synthesis (ORG) $C_8H_{11}N$ MW 121.18			100 g	[illegible]	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8667		**3,5-Dimethylaniline** for synthesis (ORG) $C_8H_{11}N$ MW 121.18 1 l = 0.96 kg		50 ml	8.—	
		Dimethylbenzene see Xylene				
3457		**2,5-Dimethylbenzenesulfonic acid** (dihydrate) GR $C_8H_{10}O_3S \cdot 2\,H_2O$ MW 222.26 CERTIFICATE OF GUARANTEE: Assay (acidimetric; on anhydrous substance) . . . min. 99% Melting-point . . . 86–88° C Iron (Fe) . . . . . max. 0.001% Water . . . . . 15.8–16.6 % Sulfated ash . . . max. 0.1 %	1.6	25 g 100 g	8.— 25.25	
3469		**2,5-Dimethylbenzenesulfonic acid ammonium salt** GR $C_8H_{13}NO_3S$ MW 203.26 CERTIFICATE OF GUARANTEE: Assay (ex S) . . . min. 99% Iron (Fe) . . . . max. 0.001% Water . . . . . max. 0.5 % Sulfated ash . . . max. 0.1 %	2.3	25 g 100 g	9.50 28.25	
		3,3'-Dimethylbenzidine see *o*-Tolidine				
		3,3'-Dimethylbenzidinium dichloride see *o*-Tolidinium dichloride				
3206		*N,N*-**Dimethylbenzylamine** for synthesis (ORG) $C_9H_{13}N$ MW 135.21 1 l = 0.90 kg		250 ml	12.—	
9682		**2,2-Dimethylbutane** reference substance for gas chromatography C_6H_{14} MW 86.18		5 ml	21.—	
9683		**2,3-Dimethylbutane** reference substance for gas chromatography C_6H_{14} MW 86.18		5 ml	21.—	
3454		**2,2-Dimethylbutane** *n*-**pentane** (8 : 3) for spectroscopy **Uvasol**® 1 l = 0.65 kg CERTIFICATE OF GUARANTEE: Suitability for IR spectroscopy passes test		250 ml 1 l	24.25 84.—	

	Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
3,3-Dimethyl-2-butanone for synthesis (ORG) $C_6H_{12}O$ MW 100.16 1 l = 0.81 kg	100 ml	A	12.	
3,3-Dimethylbutyric acid for synthesis (ORG) $C_6H_{12}O_2$ MW 116.16 1 l = 0.91 kg	10 ml	A		
Dimethylcarbamoyl chloride for synthesis (ORG) C_3H_6ClNO MW 107.54 1 l = 1.17 kg	100 ml	A	9.50	
N,N-Dimethylchloroformamide see Dimethylcarbamoyl chloride				
N,N-**Dimethyl-3-chloro-2-methylpropylammoniumchloride** for synthesis (ORG) $C_6H_{14}ClN \cdot HCl$ MW 172.10	50 g	A	13.50	
cis-**1,2-Dimethylcyclohexane** for synthesis (ORG) C_8H_{16} MW 112.22 1 l = 0.80 kg	10 ml	A	12.50	
5,5-Dimethyl-1,3-cyclohexanedione see Dimedone				
N,N-**Dimethylcyclohexylamine** for synthesis (ORG) $C_8H_{17}N$ MW 127.23 1 l = 0.85 kg	1 l	A	10.50	
Dimethyldichlorosilane see Dichlorodimethylsilane				
N,N-Dimethyldiethoxymethylamine see *N,N*-Dimethylformamide diethyl acetal				
5,5-Dimethyldihydroresorcinol see Dimedone				
N,N-Dimethyldimethoxymethylamine see *N,N*-Dimethylformamide dimethyl acetal				
5,5-Dimethyl-1,3-dioxocyclohexane see Dimedone				
2,9-Dimethyl-4,7-diphenyl-1,10-phenanthroline see Bathocuproine				
2,9-Dimethyl-4,7-diphenyl-1,10-phenanthrolinedisulfonic acid disodium salt see Bathocuproinedisulfonic acid disodium salt				
N,N-Dimethylethanolamine see 2-Dimethylaminoethanol				

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
3779	*N,N*-**Dimethylethylenediamine** for synthesis (ORG) $C_4H_{12}N_2$ MW 88.15	1 l = 0.81 kg	25 ml	8.50	
2937	*N,N*-**Dimethylformamide** for spectroscopy **Uvasol**® C_3H_7NO MW 73.10 CERTIFICATE OF GUARANTEE: Suitability for UV spectroscopy (1-cm cell; reference : water) Transmittance at 270 nm . . . . . min. 28% 260 nm . . . . . min. 72% 300 nm . . . . . min. 90% 350 nm . . . . . 100% Suitability for IR spectroscopy passes test	1 l = 0.95 kg	500 ml 1 l 2½ l	13.75 25.75 58.—	
3034	*N,N*-**Dimethylformamide** for synthesis (LAB) C_3H_7NO MW 73.10 TYPE ANALYSIS: d 20°/4° . . . . . 0.948–0.950 Refractive exponent ($n_D^{20°}$) . . . . . 1.429–1.431 Boiling-range . . . 152–155° C Water (acc. to Karl Fischer) . . 0.1%	1 l = 0.95 kg	500 ml 1 l 2½ l standard box 30 x 1 l 4 x 30 x 1 l 8 x 2½ l 8 x 8 x 2½ l 50 kg	6.60 12.— 26.— 1 l 11.25 1 l 11.— 2½ l 24.50 2½ l 23.75	7.30
	Dimethylformamide-d_7 see Heptadeuterodimethylformamide				
3066	*N,N*-**Dimethylformamide diethyl acetal** for synthesis (LAB) $C_7H_{17}NO_2$ MW 147.22	1 l = 0.87 kg	25 ml	32.50	
3068	*N,N*-**Dimethylformamide dimethyl acetal** for synthesis (LAB) $C_5H_{13}NO_2$ MW 119.16	1 l = 0.90 kg	25 ml	27.50	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Dimethylglyoxime (2,3 Butanedione dioxime) GR (reagent for nickel) $C_4H_8N_2O_2$ MW 116.12 CERTIFICATE OF GUARANTEE: Assay (as Ni-complex, gravimetric) . . . min. 99 % Melting-point . . . 239–241° C Substances insoluble in ethanol . . . . max. 0.02% Sulfated ash . . . max. 0.05%	1.5	25 g 100 g 250 g 1 kg	[illegible] 10.— 22.50 77.—	
3	**Dimethylglyoxime** (2,3 Butanedione dioxime) extra pure $C_4H_8N_2O_2$ MW 116.12	2.1	**100 g** **250 g** **1 kg**	8.50 19.— 63.—	
5	**Dimethylglyoxime** (2,3 Butanedione dioxime) $C_4H_8N_2O_2$ MW 116.12	1.6	**250 g** **1 kg**	12.— 36.75	
	Dimethylglyoxime disodium salt (2,3-Butandione dioxime disodium salt) (octahydrate) GR $C_4H_6N_2Na_2O_2 \cdot 8\,H_2O$ MW 304.21 CERTIFICATE OF GUARANTEE: Assay (perchloric acid titration; on anhydrous substance) min. 99% Substances insoluble in water . . . . max. 0.005% Water 44–48%		100 g 250 g 1 kg	9.50 21.25 71.—	
	2,5-Dimethylhexahydro-1,4-diazine see 2,5-Dimethylpiperazine				
	2,2-Dimethylhexane reference substance for gas chromatography C_8H_{18} MW 114.23		5 ml	21.	
	2,3-Dimethylhexane reference substance for gas chromatography C_8H_{18} MW 114.23		5 ml	21.	
	2,4-Dimethylhexane reference substance for gas chromatography C_8H_{18} MW 114.23		5 ml	21.	
	3,4-Dimethylhexane reference substance for gas chromatography C_8H_{18} MW 114.23		5 ml	21.–	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
3215		**1,2-Dimethylimidazole** for synthesis (ORG) $C_5H_8N_2$ MW 96.13	1 l = 1.00 kg		100 ml 11.—	
4814		**Dimethyl itaconate** for synthesis (ORG) $C_7H_{10}O_4$ MW 158.16	1 l = 1.11 kg		250 ml 13.50	
899	•I•	**Dimethyl malonate** for synthesis (LAB) $C_5H_8O_4$ MW 132.12 TYPE ANALYSIS: Assay (gas chromatographic) . . . . : 97% d 20°/4° . . . . . 1.151–1.152 Refractive index ($n_D^{20°}$) . . . . . 1.413–1.414 Boiling-range . . . 177–183° C	1 l = 1.15 kg		250 ml 9.— 1 l 27.50	
6030	•I•	**Dimethyl methyl succinate** for synthesis (ORG) $C_7H_{12}O_4$ MW 160.17	1 l = 1.11 kg		250 ml 12.50	
3122		**3,3'-Dimethylnaphthidine** (4,4'-diamino-3,3'-dimethyl-1,1'-binaphthyl) metal (pM) indicator $C_{22}H_{20}N_2$ MW 312.42	2.2		1 g 10.50	
		3,7-Dimethyl-2,6-octadienal see Citral				
		Dimethyloxychinizin see Phenazone				
9679	•I•	2,3-**Dimethylpentane** reference substance for gas chromatography C_7H_{16} MW 100.21			1 ml 21.—	
9674	•I•	2,4-**Dimethylpentane** reference substance for gas chromatography C_7H_{16} MW 100.21			1 ml 15.75	
		2,9-Dimethyl-1,10-phenanthroline see Neocuproine				

	Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2,3-Dimethylphenol for synthesis (ORG) $C_8H_{10}O$ MW 122.17		100 g	14.—	
2,4-Dimethylphenol for synthesis (ORG $C_8H_{10}O$ MW 122.17	1 l = 1.02 kg	100 ml	14.—	
2,5-Dimethylphenol for synthesis (ORG) $C_8H_{10}O$ MW 122.17		250 g	22.50	
2,6-Dimethylphenol for synthesis (ORG) $C_8H_{10}O$ MW 122.17		250 g	14.—	
3,4-Dimethylphenol for synthesis (ORG) $C_8H_{10}O$ MW 122.17	1.5	250 g	10.—	
2′,2″-Dimethylphenolsulfonphthalein see *m*-Cresol purple				
4,5-Dimethyl-*o*-phenylenediamine for synthesis (ORG) $C_8H_{12}N_2$ MW 136.20		25 g	14.75	
***N,N*-Dimethyl-*p*-phenylenediammonium dichloride** GR $C_8H_{14}Cl_2N_2$ MW 209.12 CERTIFICATE OF GUARANTEE: Assay (potentiometric) min. 99.5 % Sulfate (SO_4) . . max. 0.005% Sulfated ash . . . max. 0.05 %	2.6	25 g 100 g	20.—	
Dimethyl phthalate for synthesis (ORG) $C_{10}H_{10}O_4$ MW 194.19	1 l = 1.19 kg	1 l	9.50	
1,4-Dimethylpiperazine for synthesis (ORG) $C_6H_{14}N_2$ MW 114.19	1 l = 0.85 kg	50 ml	10.50	
2,5-Dimethylpiperazine for synthesis (ORG) $C_6H_{14}N_2$ MW 114.19	2.5	50 g	10.50	
2,6-Dimethylpiperidine for synthesis (ORG) $C_7H_{15}N$ MW 113.20	1 l = 0.82 kg	100 ml	13.-	
Dimethylpolysiloxane see Silicone rubber				

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Dimethyl-POPOP see 2,2′-p-Phenylene-bis(4-methyl-5-phenyloxazole)					
	N,N-Dimethyl-1,3-propanediamine see *N,N*-Dimethyltrimethylenediamine					
3507	**2,2-Dimethyl-1,3-propanediol** for synthesis (ORG) $C_5H_{12}O_2$ MW 104.15	1.5	(P)	1 kg	9.75	
1336	**2,2-Dimethylpropionic acid** for synthesis (ORG) $C_5H_{10}O_2$ MW 102.13	1.5	(P)	1 kg	16.25	
	2,2-Dimethylpropionitrile see Pivalonitrile					
	2,2-Dimethylpropionyl chloride see Pivaloyl chloride					
	2,2-Dimethylpropylamine see Neopentylamine					
	1,4-Dimethyl-7-*iso*-propylazulene see Guaiazulene					
	Dimethylpyridine see Lutidine					
	2,6-Dimethylpyridine-1-oxide see 2,6-Lutidine-1-oxide					
3566	**2,6-Dimethyl-3-pyridylamine** for synthesis (ORG) $C_7H_{10}N_2$ MW 122.17	3		10 g	9.—	
	4,4-Dimethyl-4-sila-1-pentanesulfonic acid sodium salt see 3-(Trimethylsilyl)-1-propanesulfonic acid sodium salt					
3526	*N,N*-**Dimethylsulfamoyl chloride** for synthesis (ORG) $C_2H_6ClNO_2S$ MW 143.59 1 l = 1.33 kg			25 ml	25.—	
3071	**Dimethyl sulfate** for synthesis (LAB) $C_2H_6O_4S$ MW 126.13 1 l = 1.33 kg TYPE ANALYSIS: d 20°/4° . . . . . 1.324–1.330 Free acid (as H_2SO_4) . . . 1%			500 ml 1 l	7.25 12.—	
	Dimethyl sulfate-d_6 see Hexadeuterodimethyl sulfate					

	Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
Dimethyl sulfite for synthesis (LAB) $C_2H_6O_3S$ MW 110.13	1 l = 1.21 kg	100 ml	12.50	
2,4-Dimethylsulfolane for gas chromatography $C_6H_{12}O_2S$ MW 148.23	1 l = 1.14 kg	100 ml	144.—	
Dimethyl sulfone for synthesis (ORG) $C_2H_6O_2S$ MW 94.13		100 g	18.—	
Dimethyl sulfoxide (DMSO) for gas chromatography $(CH_3)_2SO$ MW 78.13	1 l = 1.10 kg	100 ml	10.—	
Dimethyl sulfoxide (DMSO) for spectroscopy **Uvasol** $(CH_3)_2SO$ MW 78.13	1 l = 1.10 kg	500 ml 1 l	16.75 31.50	
CERTIFICATE OF GUARANTEE: Suitability for UV spectroscopy (1-cm cell; reference : water) Transmittance at 260 nm . . . . min. 2% 270 nm . . . . . min. 34% 290 nm . . . . . min. 71% 360 nm . . . . . 100% Suitability for IR spectroscopy passes test				
Dimethyl sulfoxide (DMSO) for synthesis (LAB) $(CH_3)_2SO$ MW 78.13	1 l = 1.10 kg	1 l 2½ l	16. 36.—	
TYPE ANALYSIS: Assay (gas chromatographic) . . . . 97% d 20°/4° . . . . . 1.100–1.103 Refractive index ($n_D^{20°}$) . . . . . 1.478–1.479 Boiling-range (95%) 188–193° C				
Dimethyl sulfoxide (DMSO) scintillation grade $(CH_3)_2SO$ MW 78.13	1 l = 1.10 kg	500 ml	21.—	
Dimethyl sulfoxide-d_6 see Hexadeuterodimethyl sulfoxide				
Dimethyl terephthalate for synthesis (ORG) $C_{10}H_{10}O_4$ MW 194.19	2	1 kg	12.—	
2,4-Dimethyltetrahydrothiophene 1,1-dioxide see 2,4-Dimethylsulfolane				

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		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. pack... Prices per kg DM
3236	**4,5-Dimethyl-2-thiazolylamine** for synthesis (ORG) $C_5H_8N_2S$ MW 128.20	3	50 g	17.50	
4193	**Dimethyltin dichloride** for synthesis (ORG) $C_2H_6Cl_2Sn$ MW 219.67	3	5 g	24.—	
	O,O'-Dimethyl triethylene glycol see Triethylene glycol dimethyl ether				
3503	*N,N*-**Dimethyltrimethylenediamine** for synthesis (ORG) $C_5H_{14}N_2$ MW 102.18 1 l = 0.82 kg		500 ml	8.50	
3244	*N,N'*-**Dimethylurea** for synthesis (ORG) $C_3H_8N_2O$ MW 88.11	2	1 kg	11.75	
	Dimethyl yellow see Methyl yellow				
3248	**2,4-Dinitroaniline** for synthesis (ORG) $C_6H_5N_3O_4$ MW 183.12	2	250 g	6.30	
3250	**2,4-Dinitroanisole** for synthesis (ORG) $C_7H_6N_2O_5$ MW 198.14	1.8	250 g	8.—	
3119	**1,2-Dinitrobenzene** for synthesis (ORG) $C_6H_4N_2O_4$ MW 168.11	1.8	25 g	18.—	
3114	**1,3-Dinitrobenzene** for determination of 17-ketosteroids $C_6H_4N_2O_4$ MW 168.11 CERTIFICATE OF GUARANTEE: Assay (ex N) . . min. 99% Melting-point . . 89–90° C Heavy metals (as Pb) . . . . max. 0.001% Iron (Fe) . . . . max. 0.001% Sulfated ash . . max. 0.1 %	2.3	25 g 100 g 250 g	4.75 12.50 30.—	
3120	**1,4-Dinitrobenzene** for synthesis (ORG) $C_6H_4N_2O_4$ MW 168.11	3	10 g	18.50	

	Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
3,5-Dinitrobenzoic acid for determination of creatinine $C_7H_4N_2O_6$ MW 212.12 CERTIFICATE OF GUARANTEE: Assay (ex N) . . min. 99%; Iron (Fe) . . . . max. 0.001% Melting-point . . 204–206° C; Sulfated ash . . max. 0.1 % Heavy metals (as Pb) . . . . max. 0.001%	2.1	P 25 g 100 g	4.25 9.—	
3,5-Dinitrobenzoyl chloride for synthesis (LAB) $C_7H_3ClN_2O_5$ MW 230.57 TYPE ANALYSIS: Assay (acidimetric titration before and after reaction with aniline) . . 97%; Chloride (Cl) . . . . . 0.2 % Total sulfur (as SO_4) . . 0.01% Sulfated ash . . . . . 0.1 % Melting-range . . . 68–70° C Dinitrobenzoic esters . . . . . passes test	1	25 g 100 g 250 g		
1,3-Dinitro-4-chlorobenzene see 1-Chloro-2,4-dinitrobenzene				
2,4-Dinitro-1-chlorobenzene see 1-Chloro-2,4-dinitrobenzene				
2,2′-Dinitro-5,5′-dithiodibenzoic acid for biochemistry (LAB) $C_{14}H_8N_2O_8S_2$ MW 396.36	3	1 g 5 g	8.25 32.50	
1,3-Dinitro-4-fluorobenzene see 1-Fluoro-2,4-dinitrobenzene				
2,4-Dinitro-1-fluorobenzene see 1-Fluoro-2,4-dinitrobenzene				
1,5-Dinitronaphthalene for synthesis (ORG) $C_{10}H_6N_2O_4$ MW 218.17	1.5	100 g		
2,4-Dinitrophenol (α-dinitrophenol) moistened with about 50% water (referred to the dry substance) indicator pH 2.8–4.7 colourless to yellow	1.5	5 g * 100 g * * dry substance		
2,5-Dinitrophenol (γ-dinitrophenol) moistened with about 50% water (referred to the dry substance) indicator pH 4.0–5.8 colourless to yellow	1.5	1 g * 10 g * * dry substance	4.75 29.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
[illegible]	**2,5-Dinitrophenol** (β-dinitrophenol) moistened with about 50% water (referred to the dry substance) indicator pH 2.0–4.4 colourless to yellow	2.5	1 g * 10 g *	3.75 21.—	
	* dry substance				
	Di(2-nitrophenyl) disulfide see Bis(2-nitrophenyl) disulfide				
3081	**2,4-Dinitrophenylhydrazine** moistened with about 50% water (referred to the dry substance) GR $C_6H_6N_4O_4$ MW 198.14 CERTIFICATE OF GUARANTEE: (All indications refer to the anhydrous substance) Assay (ex N) . . . min. 99 % Melting-point (decomposition) 198–200 °C Iron (Fe) . . . . max. 0.001% Sulfated ash . . max. 0.1 %	3.5	25 g * 100 g *	5.50 15.25	
	* dry substance				
3080	**2,4-Dinitrophenylhydrazine** moistened with about 50% water (referred to the dry substance) for synthesis (LAB) $C_6H_6N_4O_4$ MW 198.14 TYPE ANALYSIS: (All indications refer to the anhydrous substance) Assay (ex N) . . . . 98% Melting-point . . . 197–199° C Sulfated ash . . . 0.1%	3.5	100 g * 1 kg *	9.75 75.—	
	* dry substance				
	2,4-Dinitrophenyl methyl ether see 2,4-Dinitroanisole				
141	**3,5-Dinitrosalicylic acid** for synthesis (LAB) $C_7H_4N_2O_7 \cdot H_2O$ MW 246.13 TYPE ANALYSIS: Assay (alkalimetric) 97% Melting-point . . . 171–172 °C Sulfated ash 0.1%	1.9	25 g 100 g	6.60 19.—	
3515	**2,4-Dinitrotoluene** moistened with about 50% water (referred to the dry substance) for synthesis (ORG) $C_7H_6N_2O_4$ MW 182.14	1.5	250 g *	5.25	
	* dry substance				
3516	**2,6-Dinitrotoluene** moistened with about 50% water (referred to the dry substance) for synthesis (ORG) $C_7H_6N_2O_4$ MW 182.14	1.5	100 g *	13.25	
	* dry substance				

	Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
3,4-Dinitrotoluene moistened with about 50% water (referred to the dry substance) for synthesis (ORG) $C_7H_6N_2O_4$ MW 182.14	1.5	100 g * * dry substance	13.75	
Dinonyl phthalate for gas chromatography $C_{26}H_{42}O_4$ MW 418.62 1 l = 0.98 kg		100 ml	23.—	
Di-*iso*-octyl adipate see Bis(2-ethylhexyl) adipate				
Di-*iso*-octyl azelate see Bis(2-ethylhexyl) azelate				
Dioctyl sebacate see Bis(2-ethylhexyl) sebacate				
Dioctyl sodium sulfosuccinate wax-like USP XV $C_{20}H_{37}NaO_7S$ MW 444.57	4	250 g 1 kg 5 kg 25 kg	6.30 19.50 76.—	 13.75
Dioctyl sodium sulfosuccinate granular, for tablets (about 30%)	1.5	1 kg 5 kg 25 kg	19.50 76.—	 13.75
Dioctyl sodium sulfosuccinate powder, for capsules (about 33%)	2.3	1 kg 5 kg 25 kg	19.50 76.—	 13.75
Dioctyltin oxide for synthesis (ORG) $C_{16}H_{34}OSn$ MW 361.14	2	100 g	18.50	
Diosgenin (20α_FH,22α_FO,25β_FH-spirost-5-en-3β-ol) (LAB) $C_{27}H_{42}O_3$ MW 414.63	4	100 g 1 K	42. 357.	
1,3-Dioxacyclopentane see 1,3-Dioxolane				
3,6-Dioxa-1-decanol see Diethylene glycol monobutyl ether				
3,6-Dioxa-1-heptanol see Diethylene glycol monomethyl ether				

D

		Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
9671 •I• *	**Dioxane** GR $C_4H_8O_2$ MW 88.11	1 l = 1.03 kg	250 ml 7.— 1 l 21.— 2½ l 50.—	
	CERTIFICATE OF GUARANTEE: Assay (gas chromatographic) . . . . min. 99.5% Free acid (as CH_3COOH) max. 0.01 % Freezing-point . min. 10.5° C Formaldehyde . . max. 0.001% Acetaldehyde . . max. 0.005% Peroxide (as H_2O_2) . . . max. 0.005% Water . . . . . max. 0.1 % Non-volatile substances . . max. 0.001%		standard box 30 x 1 l 1 l 19.75 4 x 30 x 1 l 1 l 19.25 8 x 2½ l 2½ l 47.50 8 x 8 x 2½ l 2½ l 46.—	
			50 kg	16.
3110 •I• *	**Dioxane** dried (max. 0.01% H_2O) GR $C_4H_8O_2$ MW 88.11	1 l = 1.03 kg	500 ml 15.—	
2967 •I• *	**Dioxane** for spectroscopy **Uvasol** $C_4H_8O_2$ MW 88.11	1 l = 1.03 kg	100 ml 8.— 500 ml 27.	
	CERTIFICATE OF GUARANTEE: Suitability for UV spectroscopy (1-cm cell; reference : water) Transmittance at 225 nm . . . . . min. 40% 240 nm . . . . . min. 50% 260 nm . . . . . min. 70% 280 nm . . . . . min. 93% 300 nm . . . . . 100% Suitability for IR spectroscopy passes test			
3118 •I• *	**Dioxane** scintillation grade $C_4H_8O_2$ MW 88.11	1 l = 1.03 kg	250 ml 23.75 1 l 80.— 2½ l 190.—	
3115 •I• *	**Dioxane** extra pure $C_4H_8O_2$ MW 88.11	1 l = 1.03 kg	500 ml 7.75 1 l 14.— 2½ l 30.—	
			50 kg	10.—
	Dioxane-d_8 see Octadeuterodioxane			
3111	**Dioxane-*iso*-butanol** (about 70 : 30) clearing fluid for membrane electrophoresis	1 l = 0.96 kg	1 l 14.25	
	3,6-Dioxaoctamethylenedinitrilotetraacetic acid see Titriplex VI			

	Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
3,6-Dioxa-1-octanol see Diethylene glycol monoethyl ether					
1,3-Dioxa-2-thiacyclopentane 2-oxide see Ethylene sulfite					
1,3-Dioxolane for synthesis (ORG) $C_3H_6O_2$ MW 74.08 1 l = 1.06 kg			250 ml	13.25	
1,3-Dioxolan-2-one see Ethylene carbonate					
2,4-Dioxopyrimidine see Uracil					
Diphenhydramine hydrochloride [*N*-(2-diphenylmethoxyethyl)-*N*,*N*-dimethylammonium chloride] Ph Nord 1963 $C_{17}H_{22}ClNO$ MW 291.82 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.6		100 g 1 kg 5 kg 25 kg	6.25 42.50 185.—	 35.—
Diphenic acid see 2,2′-Biphenyldicarboxylic acid					
Diphenylacetic acid for synthesis (ORG) $C_{14}H_{12}O_2$ MW 212.25	2		100 g	12.50	
Diphenylacetonitrile for synthesis (ORG) $C_{14}H_{11}N$ MW 193.25	2		100 g	13.50	
Diphenylamine GR and redox indicator $(C_6H_5)_2NH$ MW 169.23 CERTIFICATE OF GUARANTEE: Assay (perchloric acid titration) . min. 98% Substances insoluble in ethanol max. 0.01 % Melting-point . . 52–54° C Nitrate (NO_3) . . passes test Iron (Fe) . . . . . max. 0.001% Sulfated ash . . . max. 0.03 %	1.6		25 g 100 g 250 g	3.50 6.30 13.25	
Diphenylamine-4-sulfonic acid barium salt redox indicator $C_{24}H_{20}BaN_2O_6S_2$ MW 633.90 E_0 in 1 M sulfuric acid about + 0.83 Volt	3		5 g	8.75	

D

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	p-Diphenylbenzene see *p*-Terphenyl					
	Diphenylbromoethane see Bromodiphenylmethane					
3091	**Diphenylcarbazide** GR and redox indicator $C_{13}H_{14}N_4O$ MW 242.28 CERTIFICATE OF GUARANTEE: Melting-point . . . 162–163° C Substances insoluble in ethanol . . . passes test Diphenylcarbazone passes test Sulfated ash . . . max. 0.05% Suitability for determination of mercury . . . passes test	5	P	10 g 25 g 100 g	4.25 7.60 23.—	
3087	**1,5-Diphenylcarbazone** reagent standardised $C_{13}H_{12}N_4O$ MW 240.27 CERTIFICATE OF GUARANTEE: Substances insoluble in ethanol . . . passes test Sulfated ash . . . max. 0.1% Suitability for determination of mercury . . . passes test	7	P	5 g 25 g 100 g	5.25 19.— 63.—	
	Diphenylcarbinol see Benzhydrol					
3545	**Diphenyl carbonate** for synthesis (ORG) $C_{13}H_{10}O_3$ MW 214.22	1.6	P	250 g	7.50	
	Diphenylchloromethane see Chlorodiphenylmethane					
	Diphenyldiaminoethane see *N,N'*-Diphenylethylenediamine					
	Diphenyldichlorosilane see Dichlorodiphenylsilane					
	1,4-Diphenyl-3,5-endoanilo-1,2,4-triazoline see Nitron					
3511	**1,2-Diphenylethanol** for synthesis (ORG) $C_{14}H_{14}O$ MW 198.27	2.5		25 g	8.50	
	1,2-Diphenylethanone see Deoxybenzoin					

	Volume		Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
			DM	DM
1,2-Diphenylethylamine for synthesis (ORG) $C_{14}H_{15}N$ MW 197.28	1 l = 1.03 kg	25 ml	8.—	
1,2-Diphenylethylene see *trans*-Stilbene				
N,N'-**Diphenylethylenediamine** (1,2-dianilinoethane) for synthesis (LAB) $C_{14}H_{16}N_2$ MW 212.30 TYPE ANALYSIS: Assay (perchloric acid titration) . . . . . 98% Melting-point . . . . 67–68° C Water (acc. to Karl Fischer) 0.5%		25 g 100 g	8.50 25.75	
N,N-**Diphenylformamide** for gas chromatography $C_{13}H_{11}NO$ MW 197.24		100 g	55.—	
Diphenylmercury for synthesis (ORG) $C_{12}H_{10}Hg$ MW 354.80		25 g	17.25	
Diphenylmethane for synthesis (ORG) $C_{13}H_{12}$ MW 168.24	1 l = 1.00 kg	250 ml	7.—	
N-(2-Diphenylmethoxyethyl)-*N,N*-dimethylammonium chloride see Diphenhydramine hydrochloride				
Diphenylol see Biphenylol				
Diphenylolpropane for synthesis (ORG) $C_{15}H_{16}O_2$ MW 228.29		1 kg	10.50	
2,5-Diphenyloxazole (PPO) m. pt. 70–72° C scintillation grade $C_{15}H_{11}NO$ MW 221.26		25 g 100 g 500 g	25.— 90.— 375.	
4,7-Diphenyl-1,10-phenanthroline see Bathophenanthroline				

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	4,7-Diphenyl-1,10-phenanthrolinedisulfonic acid disodium salt see Bathophenanthrolinedisulfonic acid disodium salt				
3088	**Diphenyl phosphorochloridate** for synthesis (LAB) $C_{12}H_{10}ClO_3P$ MW 268.64 1 l = 1.30 kg		100 ml	27.50	
3261	**Diphenyl-2-pyridylmethane** for synthesis (ORG) $C_{18}H_{15}N$ MW 245.33	2	25 g	13.75	
3262	**Diphenyl-3-pyridylmethane** for synthesis (ORG) $C_{18}H_{15}N$ MW 245.33	2	25 g	16.25	
3263	**Diphenyl-4-pyridylmethane** for synthesis (ORG) $C_{18}H_{15}N$ MW 245.33	2	25 g	16.25	
2943	4,4'-**Diphenylstilbene** [1,2-bis(4-biphenylyl)-ethylene] scintillation grade $C_{26}H_{20}$ MW 332.45	4	1 g	26.25	
8188	**Diphenyl terephthalate** for synthesis (ORG) $C_{20}H_{14}O_4$ MW 318.33	2.5	250 g	19.50	
	Diphenylthiocarbazone see Dithizone				
3581	1,3-**Diphenylthiourea** for synthesis (ORG) $C_{13}H_{12}N_2S$ MW 228.32	1.2	100 g	8.75	
3089	**Dipicrylamine** moistened with an equal quantity of water GR (reagent for potassium) $C_{12}H_5N_7O_{12}$ MW 439.21 CERTIFICATE OF GUARANTEE: Assay (ex N) . . . min. 99% Melting-point . . . 243–244° C Suitability for determination of potassium . . passes test	2	5 g * 100 g * * dry substance	6 72	

	Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
Dipotassium hydrogen phosphate see *di*-Potassium hydrogen phosphate				
Di-*iso*-propanolamine for synthesis (ORG) 1.3 $C_6H_{15}NO_2$ MW 133.19	1.3	1 kg	7.60	
Dipropylamine for synthesis (ORG) $C_6H_{15}N$ MW 101.19 1 l = 0.74 kg	1 l = 0.74 kg	250 ml	7.60	
Di-*iso*-propylamine for synthesis (ORG) $C_6H_{15}N$ MW 101.19 1 l = 0.72 kg	1 l = 0.72 kg	500 ml		
2-(**Di-*iso*-propylamino)-ethanol** for synthesis (ORG) $C_8H_{19}NO$ MW 145.25 1 l = 0.87 kg	1 l = 0.87 kg	100 ml		
Di-*iso*-propylcarbodiimide for synthesis (LAB) $C_7H_{14}N_2$ MW 126.20 1 l = 0.82 kg	1 l = 0.82 kg	10 ml	10.50	
Dipropylene glycol for synthesis (ORG) $C_6H_{14}O_3$ MW 134.18 1 l = 1.03 kg	1 l = 1.03 kg	1 l 2½ l	6.60 14.25	
Dipropylenetriamine see 4-Azaheptamethylenediamine				
N,N-Di-*iso*-propylethanolamine see 2-(Di-*iso*-propylamino)-ethanol				

D

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. pack. Prices per kg DM
	Di-*iso*-propyl ether GR $C_6H_{14}O$ MW 102.18	1 l = 0.72 kg	1 l 2½ l	6.80 14.25	
	CERTIFICATE OF GUARANTEE: Assay (gas chromatographic) . . . min. 99% d 20°/4° . . . . . 0.7235–0.7250 Refractive index ($n_D^{20°}$) . . . . 1.3680–1.3690 Boiling-range (90%) . . . . . 67–69°C Non-volatile substances . . max. 0.001% Water (acc. to Karl Fischer) . . max. 0.1 %				
866	**Di-*iso*-propyl ether** for synthesis (LAB) $C_6H_{14}O$ MW 102.18	1 l = 0.72 kg	1 l 2½ l	4.25 9.50	
	TYPE ANALYSIS: Assay (gas chromatographic) . . . . 98% d 20°/4° . . . . . 0.723–0.726 Boiling-range (90%) 66–69° C Non-volatile substances . . . . . 0.005% Water (acc. to Karl Fischer) . . . . 0.5 %				
894	*N,N*-**Di-*iso*-propylethylamine** for synthesis (LAB) $C_8H_{19}N$ MW 129.25	1 l = 0.76 kg	100 ml 250 ml	8.75 18.50	
	Dipropyl ketone see 4-Heptanone				
	α,α′-Dipyridyl see 2,2′-Bipyridine				
3267	**Di-2-pyridylamine** for synthesis (ORG) $C_{11}H_9N_3$ MW 183.21	2	10 g	9.50	
	2,2′-Diquinolyl see 2,2′-Biquinoline				
	Disodium dihydrogen ethylenediaminetetraacetate see Titriplex® III				
	Disodium hydrogen arsenate see *di*-Sodium hydrogen arsenate				
	Disodium hydrogen phosphate see *di*-Sodium hydrogen phosphate				
	Disodium phenyl phosphate see Phenyl phosphate disodium salt				
	Disodium tetraborate see *di*-Sodium tetraborate				

	Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1,3-Dithiane for synthesis (LAB) $C_4H_8S_2$ MW 120.24	1,2		5 g	14.75	
5,5′-Dithiobis(2-nitrobenzoic acid) see 2,2′-Dinitro-5,5′-dithiodibenzoic acid					
2,2-Dithiodibenzoic acid for synthesis (ORG) $C_{14}H_{10}O_4S_2$ MW 306.36			100 g	10.50	
1,4-Dithioerythrite for biochemistry (LAB) $C_4H_{10}O_2S_2$ MW 154.25	2		0.25 g 1 g	10.— 27.50	
Dithioglycol see 1,2-Ethanedithiol					
Dithiol see 3,4-Toluenedithiol					
DL-6,8-Dithiooctanoic acid see DL-α-Lipoic acid					
Dithiooxamide see Rubeanic acid					
Dithiosalicylic acid see 2,2′-Dithiodibenzoic acid					
Dithioterephthalic acid for synthesis (ORG) $C_8H_6O_2S_2$ MW 198.26	2		25 g	14.—	
Dithizone (diphenylthiocarbazone) GR $C_{13}H_{12}N_4S$ MW 256.33 CERTIFICATE OF GUARANTEE: Assay (chelatometric) . min. 98% Heavy metals (as Pb) . . . . . max. 0.001% Sulfated ash . . . max. 0.2 %	4–5		5 g 25 g 100 g	5.75 20.50 77.50	
Divinyl adipate for synthesis (ORG) stabilised with 0.1% hydroquinone $C_{10}H_{14}O_4$ MW 198.22			250 g	37.50	
Divinylbenzene for synthesis (ORG) stabilised with 0.2% 2,4 Dichloro-6-nitrophenol $C_{10}H_{10}$ MW 130.19 1 l = 0.95 kg			250 ml	8.50	
DOCA see 11-Deoxycorticosterone acetate					

D

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. pack. Prices per kg DM
		cis-13-Docosenoic acid see Erucic acid					
		Docosoic acid see Behenic acid					
3416	•|•	**Dodecadeuterocyclohexane** deuteration degree not less than 99% for spectroscopy **Uvasol**® C_6D_{12} MW 96.24 1 l = 0.89 kg			1 ml 10 ml	42.— 360.—	
3442		**Dodecadeuterotetramethylurea** deuteration degree not less than 99% for spectroscopy **Uvasol**® $C_5D_{12}N_2O$ MW 128.24 1 l = 1.05 kg CERTIFICATE OF GUARANTEE: Suitability for IR and NMR spectroscopy passes test			1 ml 10 ml	55.— 475.—	
3290		**Dodecamethylenediamine** for synthesis (ORG) $C_{12}H_{28}N_2$ MW 200.37	2		100 g	23.—	
		Dodecanal see Lauraldehyde					
9658		*n*-**Dodecane** reference substance for gas chromatography $C_{12}H_{26}$ MW 170.34			5 ml	21.—	
		1,12-Dodecanediamine see Dodecamethylenediamine					
3293	•|•	**Dodecanedinitrile** for synthesis (ORG) $C_{12}H_{20}N_2$ MW 192.31 1 l = 0.90 kg			100 ml	15.25	
1305		**Dodecanedioic acid** for synthesis (ORG) $C_{12}H_{22}O_4$ MW 230.31	2		100 g	9.—	
3501		**1,12-Dodecanediol** for synthesis (ORG) $C_{12}H_{26}O_2$ MW 202.34	3		100 g	14.75	
		Dodecanoic acid see Lauric acid					

	Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1-Dodecanol for synthesis (LAB) $C_{12}H_{26}O$ MW 186.34 1 l = 0.83 kg		1 l	10.50	
3-Dodecanone for synthesis (ORG) $C_{12}H_{24}O$ MW 184.32 1 l = 0.83 kg		10 ml	8.50	
Dodecyl acrylate for synthesis (ORG) stabilised with 0.005% hydroquinone $C_{15}H_{28}O_2$ MW 240.39 1 l = 0.87 kg		25 ml		
Dodecyl alcohol see 1-Dodecanol				
Dodecyl bromide see 1-Bromodecane				
N-Dodecyl-*N*-ethyl-*N*,*N*-dimethylammonium bromide see Quat 316				
Dodecyl hydrogen sulfate sodium salt (LAB) $C_{12}H_{25}NaO_4S$ MW 288.38	2	100 g		
Dodecyl methacrylate for synthesis (ORG) stabilised with 100 ppm hydroquinone monomethyl ether $C_{16}H_{30}O_2$ MW 254.42 1 l = 0.87 kg		500 ml	15.25	
Dodecyl 2-methylpropenoate see Dodecyl methacrylate				

D

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
[illegible]	**1-Dodecyloxy-2,3-epoxypropane** for synthesis (ORG) $C_{15}H_{30}O_2$ MW 242.41 1 l = 0.87 kg			25 ml	11. -	
	DONS see Dioctyl sodium sulfosuccinate					
	Double cyanide see Cyanide double salt					
	Drigalski agar see Litmus lactose agar and Litmus lactose crystal-violet agar					
5990	**Dulcitol** for bacteriology $C_6H_{14}O_6$ MW 182.17	1.5	P	25 g 100 g	4.75 12.50	
	see also Carbohydrate test leaflets					
5989	**Dulcitol** for biochemistry (LAB) $C_6H_{14}O_6$ MW 182.17	1.4	P	25 g	5.50	
	Durene, Durol } see 1,2,4,5-Tetramethylbenzene					

	Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
Earth for the bleaching of fats, oils etc see Bleaching earth				
ECTEOLA-Cellulose see page 166				
EDTA see Titriplex®				
Egg medium acc. to Löwenstein-Jensen (base) for microbiology (37.3 g for 1 litre of culture medium)		0038/37.3 g 500 g 10 x 500 g	4.— 22.50 21.50	
Ehrlich's reagent for detection of urobilinogen	1 l = 1.10 kg	100 ml 500 ml 2½ l	3.— 6.— 12.—	
Eicosanoic acid see Arachic acid				
3-Eicosanone for synthesis (ORG) $C_{20}H_{40}O$ MW 296.54		10 g	22.50	
Elaidic acid for biochemistry (LAB) $C_{18}H_{34}O_2$ MW 282.47		5 g	12.50	
Elastin (from neck tendon) for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.		10 g	34.—	
Elastin-orcein for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.		1 g	40.—	
Ellms-Hausers' solution see o-Tolidine solution				
Embonic acid monopotassium salt for synthesis (ORG) $C_{23}H_{15}KO_6$ MW 426.47		50 g	18.50	
Emerald green see Brilliant green				
Enanthaldehyde assay about 93% (gas chromatography) for synthesis (ORG) $C_7H_{14}O$ MW 114.19	1 l = 0.82 kg	250 ml	6.80	

E

		Volume		Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. pack... Prices per ...
				DM	DM
7582	**Enanthic acid** for synthesis (ORG) $C_7H_{14}O_2$ MW 130.19 1 l = 0.92 kg		500 ml	10.—	
7581	**Enanthonitrile** for synthesis (ORG) $C_7H_{13}N$ MW 111.19 1 l = 0.80 kg		25 ml	7.50	
	Endo agar see Fuchsin lactose agar				
	Endophenolphthalein see Diacetyldiphenolisatin				
7960	**Entellan®** (rapid embedding agent) for microscopy 1 l = 0.93 kg		100 ml 500 ml	4.75 15.75	
5394	**Enterobacteriaceae enrichment medium** acc. to Mossel for microbiology (40 g for 1 litre of culture medium)	1.7	40 g 500 g 10 x 500 g	4.50 27.50 25.50	
5263	**Enterobacteriaceae transportation and enrichment medium** acc. to Hajna for microbiology (18 g for 1 litre of culture medium)	1.6	18 g 500 g 10 x 500 g	3.50 22.50 21.—	
1344	**Eosin** bluish for microscopy	1	25 g 100 g	3.75 7.—	
1345	**Eosin** yellowish (C. I. No. 45 380, S. No. 881) for microscopy and indicator $C_{20}H_6Br_4Na_2O_5$ MW 691.88	1.3	25 g 100 g	4.25 10.25	
1343	**Eosin** yellowish (C. I. No. 45 380, S. No. 881) $C_{20}H_6Br_4Na_2O_5$ MW 691.88	1.3	25 g 100 g 250 g 1 kg	4.25 8.50 18.50 62.—	
1347	**Eosin methylene-blue lactose sucrose agar** for microbiology (36 g for 1 litre of culture medium)	1.7	36 g 500 g 10 x 500 g	4.50 35.— 33.—	
	Eosin methylene blue see				
	Leishman's eosin methylene blue				
	May-Grünwald's eosin methylene blue				
	Wright's eosin methylene blue				

	Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
***l*-Ephedrine** (hemihydrate) pure BP 1958, NF XII, Ph Ned VI $C_{10}H_{15}NO \cdot 0.5\,H_2O$ MW 174.24	1.5		1 kg	103.—	
***l*-Ephedrine** Cod Franç 1965, NF XII, Ph Ned VI $C_{10}H_{15}NO$ MW 165.24	1.5		100 g 250 g 1 kg	13.75 31.— 116.—	
***l*-Ephedrinium chloride** DAB 7, BP 1968, Cod Franç 1965, JP VI, NF XII, Ph Internat I, Ph Ned VI $C_{10}H_{16}ClNO$ MW 201.70 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.5		25 g 100 g 250 g 1 kg 5 kg	4.— 10.— 22.50 88.— 420.—	
***l*-Ephedrinium chloride** DAB 7, BP 1968, Cod Franç 1965, JP VI, NF XII, Ph Internat I, Ph Ned VI, powder $C_{10}H_{16}ClNO$ MW 201.70	2.5		100 g 250 g 1 kg 5 kg	10.— 22.50 88.— 420.—	
***dl*-Ephedrinium chloride** NF XII, Ph Ned VI $C_{10}H_{16}ClNO$ MW 201.70	2.7		1 kg 5 kg	88.— 420.—	
***l*-Ephedrinium sulfate** BPC 1954, USP XVII $C_{20}H_{32}N_2O_6S$ MW 428.55 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.5		1 kg 5 kg	90.— 425.—	
***l*-Ephedrinium sulfate** BPC 1954, USP XVII, powder $C_{20}H_{32}N_2O_6S$ MW 428.55	2.5		1 kg 5 kg	90.— 425.—	
Epiandrosterone see *epi*-Androsterone					
Epibromohydrin for synthesis (ORG) C_3H_5BrO MW 136.98 1 l = 1.62 kg			100 ml	13.50	

E

			Volume			Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. pack. Prices per kg
						DM	DM
3296	•I•	**Epichlorohydrin** (1-chloro-2,3-epoxypropane) for synthesis (LAB) C_3H_5ClO MW 92.53 1 l = 1.18 kg TYPE ANALYSIS: Assay (gas chromatographic) . . . . 97% d 20°/4° . . . . . 1.178–1.181 Refractive index ($n_D^{25°}$) . . . . . 1.435–1.438 Boiling range (95%) 113–118° C			250 ml 1 l	5.25 13.75	
		Epinephrine see *l*-Adrenaline					
		16α,17α-Epoxy-3β-hydroxy-16β-methyl-5-pregnen-20-one see 16α,17α-Epoxy-16β-methylpregnenolone					
		16α,17α-Epoxy-3β-hydroxy-5-pregnen-20-one see 16α,17α-Epoxypregnenolone					
3698		**16α,17α-Epoxy-16β-methylpregnenolone** (16α,17α-epoxy-3β-hydroxy-16β-methyl-5-pregnen-20-one) (LAB) $C_{22}H_{32}O_3$ MW 344.50	3		1 g 10 g 100 g	7.— 48.50 420.—	
3699		**16α,17α-Epoxypregnenolone** (16α,17α-epoxy-3β-hydroxy-5-pregnen-20-one) (LAB) $C_{21}H_{30}O_3$ MW 330.47	4		10 g 100 g	27.50 210.—	
		1,2-Epoxypropane see Propylene oxide					
		2,3-Epoxypropyl bromide see Epibromohydrin					
609	•I•	**2,3-Epoxypropyl methacrylate** for synthesis (ORG) stabilised with 50 ppm hydroquinone monomethylether $C_7H_{10}O_3$ MW 142.16 1 l = 1.07 kg			100 ml	15.—	
3202	•I•	**Epoxystyrene** for synthesis (LAB) C_8H_8O MW 120.15 1 l = 1.05 kg			250 ml	11.—	
6810		**Epsilon blue** [1-hydroxy-2-(4-nitrophenylazo)-3,8-naphthalenedisulfonic acid disodium salt] indicator pH 11.6–13.0 orange to violet	1.5		5 g	4.75	
		Ergocalciferol see Vitamin D_2					

	Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
Ergometrinium maleate BP 1963, USP XVI $C_{23}H_{27}N_3O_6$ MW 441.49 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	4		1 g	105.—	
Ergotaminine for biochemistry (LAB) $C_{33}H_{35}N_5O_5$ MW 581.68	5		0.1 g	15.75	
○ **Ergotaminium tartrate** BP 1963, Ph Ned VI, Cod Franç 1965, USP XVII $C_{70}H_{76}N_{10}O_{16}$ MW 1313.44 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2		1 g 10 g	25.— 236.—	
Ergot extract see Extract of ergot					
Eriochrome azurol S see Chromazurol S					
Eriochrome black T (C. I. No. 14645, S. No. 241) metal (pM) indicator	1.5		25 g 100 g	3.15 6.30	
Eriochrome blue SE (C. I. No. 16680) metal (pM) indicator	1.5		5 g	3.50	
Eriochrome blue-black B (C. I. No. 14640, S. No. 239) metal (pM) indicator	1.5		25 g	5.25	
Eriochrome cyanine R (C. I. No. 43820, S. No. 840) GR (reagent for aluminium) $C_{23}H_{15}Na_3O_9S$ MW 536.40 CERTIFICATE OF GUARANTEE: Substances insoluble in water . . . . passes test Suitability for determination of aluminium . . passes test	1.5		10 g 100 g	5.25 16.25	

			Volume			Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
						DM	DM
3171		**Erucic acid** (*cis*-13-docosenoic acid) for biochemistry (LAB) $C_{22}H_{42}O_2$ MW 338.58			10 g	20.—	
3160		***meso*-Erythritol** (*meso*-erythrite) for biochemistry (LAB) $C_4H_{10}O_4$ MW 122.12 TYPE ANALYSIS: Assay (dichromate method) . . . . 99% Melting-range . . . 120–123° C Foreign organic substances . . . passes test Reducing substances and invert sugar . passes test Chloride (Cl) . . . . 0.0005% Sulfate (SO_4) . . . . . 0.005 % Heavy metals (as Pb) . 0 002 % Iron (Fe) . . . . . 0.002 % Calcium (Ca) . . . . 0.01 % Loss on drying (105°C) 0.1 % Sulfated ash . . . . . 0.1 %	1.2	P	10 g 100 g	6.— 42.—	
1355		**Erythrosine** (C.I. No. 45430, S No. 887) indicator and for microscopy	1		10 g 25 g	5.— 9.25	
9021	*	**Esbach's reagent** for detection of albumin 1 l = 1.01 kg		P	100 ml 500 ml 2½ l	2.75 5. 16.75	
3162		**Eschka's mixture** GR (for determination of sulfur in coal)	2.5	P	100 g 250 g 1 kg	6.— 12.50 41.—	
768		**Escin** $C_{54}H_{84}O_{23} \cdot x\,H_2O$ MW 1101.26 (anhydrous)	1.7		1 g	10.50	
842		**Esculin** for bacteriology $C_{15}H_{16}O_9 \cdot 1.5\,H_2O$ MW 367.31	8	P	5 g 25 g	7.10 29.50	
848		**Esculin** extra pure Cod Franç 1965 $C_{15}H_{16}O_9 \cdot 1.5\,H_2O$ MW 367.31	6	P 	25 g 100 g 1 kg	19.— 70.— 614.—	
		Eserine see Physostigmine					
		Essence of mirbane see Nitrobenzene					

	Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
Estradiol [1,3,5(10)-estratriene-3,17β-diol] for biochemistry (LAB) $C_{18}H_{24}O_2$ MW 272.39	3		1 g 10 g	10.50 95.—	
1,3,5(10)-Estratriene-3,17β-diol see Estradiol					
1,3,5(10)-Estratriene-3,16α,17β-triol see Estriol					
Estriol [1,3,5(10)-estratriene-3,16α,17β-triol] for biochemistry (LAB) $C_{18}H_{24}O_3$ MW 288.39	1.5		0.1 g	26.25	
Estriol [1,3,5(10)-estratriene-3,16α,17β-triol] (LAB) $C_{18}H_{24}O_3$ MW 288.39	4		1 g 10 g	48.25 420.—	
Estrone [3-hydroxy-1,3,5(10)-estratrien-17-one] for biochemistry (LAB) $C_{18}H_{22}O_2$ MW 270.37	3		1 g 10 g	10.50 95.—	
1,2-Ethanediol see Ethylene glycol					
•|• **1,2-Ethanedithiol** for synthesis (LAB) $C_2H_6S_2$ MW 94.20 1 l = 1.13 kg TYPE ANALYSIS: Assay (gas chromatographic) . . . . 98% d 20°/4° . . . . . 1.123–1.126 Refractive index ($n_D^{20°}$) . . . . . 1.558–1.560 Boiling-range (95%) 145–149° C			10 ml	10.—	
•|• **Ethanethiol** for synthesis (ORG) C_2H_6S MW 62.13 1 l = 0.84 kg			250 ml	12.—	

		Volume	Standard packages fob incl. all packing Prices per container DM		Bulk packages fob incl. packing Prices per kg DM
972	**Ethanol** (ethyl alcohol) absolute GR C_2H_5OH MW 46.07	1 l = 0.79 kg	500 ml 1 l 2½ l	3.75 5.75 11.75	
			Minimum quantity : 1 l		
			standard box 30 x 1 l 4 x 30 x 1 l 8 x 2½ l 8 x 8 x 2½ l	1 l 5.40 1 l 5.25 2½ l 11.10 2½ l 10.50	
969	**Ethanol** (ethyl alcohol) about 95% for spectroscopy **Uvasol**® C_2H_5OH MW 46.07	1 l = 0.81 kg	500 ml 2½ l	8.50 34.25	
			Minimum quantity : 1 l		
966	**Ethanol** (ethyl alcohol) min. 99.5% (synthetic) scintillation grade C_2H_5OH MW 46.07	1 l = 0.79 kg	250 ml 1 l	10.50 29.50	
			Minimum quantity : 1 l		
8052	**Ethanol** (ethyl alcohol) about 95% w/w (min. 96% v/v) DAB 7 C_2H_5OH MW 46.07	1 l = 0.81 kg	1 l 2½ l	4.75 9.50	
			Minimum quantity: 1 l		
970	**Ethanol** (ethyl alcohol) absolute DAB 6, BPC 1963 C_2H_5OH MW 46.07	1 l = 0.79 kg	1 l 2½ l	5.50 11.25	
			Minimum quantity : 1 l		
			standard box 30 x 1 l 4 x 30 x 1 l 8 x 2½ l 8 x 8 x 2½ l	1 l 5.15 1 l 5.— 2½ l 10.60 2½ l 10.—	

CERTIFICATE OF GUARANTEE:

Assay	min. 99.8%	Aldehydes (as CH_3CHO)	max. 0.001 %
Free acid (as CH_3COOH)	max. 0.001 %	Ketones (as Acetone)	max. 0.05 %
Free alkali (as NH_3)	max. 0.0003 %	Readily carbonisable substances	passes test
Lead (Pb)	max. 0.00001%	Substances reducing $KMnO_4$ (as O)	max. 0.0003 %
Copper (Cu)	max. 0.00001%	Water	max. 0.2 %
Iron (Fe)	max. 0.00001%	Non-volatile substances	max. 0.0005 %
Zinc (Zn)	max. 0.00001%		
Methanol	max. 0.05 %		
iso-Amyl alcohol	max. 0.05 %		
Formaldehyde	max. 0.001 %		

CERTIFICATE OF GUARANTEE:

Suitability for UV spectroscopy (1-cm cell; reference : water)	
Transmittance at	
210 nm	min. 35%
220 nm	min. 55%
230 nm	min. 72%
250 nm	min. 90%
280 nm	100%
Suitability for IR spectroscopy	passes test

CERTIFICATE OF GUARANTEE:

Assay (gas chromatographic)	99%	Methanol	0.1 %
d 20°/4°	0.791–0.792	Aldehydes (as CH_3CHO)	0.005 %
Refractive index ($n_D^{20°}$)	1.3614–1.3618	Fusel oil	0.005 %
Boiling-range	78–79° C	Non-volatile substances	0.01 %
Free acid (as CH_3COOH)	0.005 %	Water (acc. to Karl Fischer)	0.2 %
Volatile bases (as NH_3)	0.0005%		

Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
		Ethanol see also Alcohol stock solutions				
		Ethanol-d see Monodeuteroethanol				
		Ethanol-d_6 see Hexadeuteroethanol				
849	•I•	**Ethanolamine** for synthesis (LAB) C_2H_7NO MW 61.08 TYPE ANALYSIS: Assay (acidimetric) 99% d 20°/4° . . . . . 1.015–1.018 Refractive index ($n_D^{20°}$) . . . . 1.4535–1.4545 Melting-point . . + 10° C Boiling-range . . . 169–172° C Heavy metals (as Pb) 0.001% Iron (Fe) . . . . . 0.001% Residue on ignition 0.05 %	1 l = 1.01 kg	P P P

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
122		**2-Ethoxybenzamide** for synthesis (ORG) $C_9H_{11}NO_2$ MW 165.19		P	250 g	17.—	
275		**6-Ethoxy-2-benzothiazolylamine** for synthesis (ORG) $C_9H_{10}N_2OS$ MW 194.26			100 g	13.50	
1281	•|•	**2-Ethoxy-3,4-dihydro-2*H*-pyran** for synthesis (ORG) $C_7H_{12}O_2$ MW 128.17 1 l = 0.97 kg			250 ml	10.—	
		2-(Ethoxy)-ethanol see Ethylene glycol monoethyl ether					
187	•|•	**2-Ethoxyethyl acetate** for synthesis (ORG) $C_6H_{12}O_3$ MW 132.16 1 l = 0.97 kg			1 l	7.60	
2201		**4-Ethoxy-4′-hexanoyloxyazobenzene Licristal®** for spectroscopy $C_{20}H_{24}N_2O_3$ MW 340.43	2		25 g 100 g	20.— 68.—	
6293		**4-Ethoxy-3-nitroaniline** for synthesis (ORG) $C_8H_{10}N_2O_3$ MW 182.18			100 g	10.50	
1284	•|•	**3-Ethoxypropionitrile** for synthesis (ORG) C_5H_9NO MW 99.13 1 l = 0.91 kg			100 ml	7.50	
1285		**3-Ethoxypropylamine** for synthesis (ORG) $C_5H_{13}NO$ MW 103.17 1 l = 0.85 kg			100 ml	10.50	
144		**Ethyl 2-acetamido-2-cyanoacetate** for synthesis (ORG) $C_7H_{10}N_2O_3$ MW 170.17		P	100 g	35.—	

			Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
853	•I•	**Ethyl acetate** (cont. 0.1% acetic acid) for protein sequenation acc. to Edman and Begg $C_4H_8O_2$ MW 88.11	1 l = 0.90 kg	1 l 30.—	
9623	•I•	**Ethyl acetate** GR $C_4H_8O_2$ MW 88.10 CERTIFICATE OF GUARANTEE: Assay (gas chromatographic) . . . . min. 99.5 % Free acid (as CH_3COOH) . . max. 0.005% Methanol . . . . . max. 0.1 % Ethanol . . . . . max. 0.1 % Methyl acetate . . max. 0.1 % Readily carbonisable substances . . . passes test Water . . . . . max. 0.05 % Non-volatile substances . . max. 0.001%	1 l = 0.90 kg	1 l 6.50 2½ l 13.50 standard box 15 x 1 l 1 l 6.10 1 l 5.90 8 x 2½ l 2½ l 12.80 8 x 8 x 2½ l 2½ l 12.50	
863	•I•	**Ethyl acetate** for spectroscopy **Uvasol** $C_4H_8O_2$ MW 88.10	1 l = 0.90 kg	500 ml 10.50 1 l 19.50	
864	•I•	**Ethyl acetate** DAB 6, NF XII $C_4H_8O_2$ MW 88.10 TYPE ANALYSIS: Assay (gas chromatographic) . . . . 99% d 20°/4° . . . . . 0.898–0.900 Refractive index ($n_D^{20°}$) . . . . . 1.370–1.373 Boiling-range . . . . 76–77° C Non-volatile substances . . . . 0.003% Water (acc. to Karl Fischer) . . . 0.1 %	1 l = 0.90 kg	1 l 6.— 2½ l 12.50	
9622	•I•	**Ethyl acetoacetate** for synthesis (LAB) $C_6H_{10}O_3$ MW 130.14 TYPE ANALYSIS: Assay (gas chromatographic) . . . . 98% d 20°/4° C . . . . . 1.024–1.028 Refractive index (n_D^{20}) 1.4185–1.4195	1 l = 1.02 kg	250 ml 5.— 1 l 14.75	
860	•I•	**Ethyl acetoacetate** $C_6H_{10}O_3$ MW 130.14	1 l = 1.02 kg	500 ml 6.80 1 l 11.50 2½ l 23.75 50 kg	7.30
836	•I•	**Ethyl acrylate** for synthesis (LAB) $C_5H_8O_2$ MW 100.12 TYPE ANALYSIS: Assay (gas chromatographic) . . . . 95% d 20°/4° . . . . . 0.923–0.925 Refractive index ($n_D^{20°}$) . . . . . 1.405–1.407 Boiling-range (95%) 98–101° C	1 l = 0.93 kg	250 ml 5.— 1 l 14.50	

Ethyl alcohol see Ethanol

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
877		**Ethyl 4-aminobenzoate** DAB 7, BP 1963, NF XI $C_9H_{11}NO_2$ MW 165.19	2	P 250 g 1 kg 5 kg 50 kg	8.50 26.25 116.—	 20.75
1392	•I•	**2-Ethylaminoethanol** for synthesis (ORG) $C_4H_{11}NO$ MW 89.14 1 l = 0.92 kg		250 ml	9.50	
		N{2-*N*[-Ethyl-*N*-(4-amino-3-methylphenyl)-amino]-ethyl}-methanesulfonamide sesquisulfate see Colour developer 3				
874		**Ethylammonium chloride** for synthesis (LAB) C_2H_8ClN MW 81.55	1.6	250 g	9.25	
		5-Ethyl-5-*iso*-amylbarbituric acid see Amobarbital				
937	•I•	**2-Ethylaniline** for synthesis (ORG) $C_8H_{11}N$ MW 121.18 1 l = 0.98 kg		250 ml	9.75	
936	•I•	**4-Ethylaniline** for synthesis (ORG) $C_8H_{11}N$ MW 121.18 1 l = 0.98 kg		100 ml	9.	
781	•I•	**2-[*N*-Ethylanilino]-ethanol** for synthesis (ORG) $C_{10}H_{15}NO$ MW 165.24 1 l = 1.00 kg		250 ml	10.—	
1372	•I•	**Ethylbenzene** for synthesis (ORG) C_8H_{10} MW 106.17 1 l = 0.88 kg		1 l	9.—	
9635	•I•	**Ethylbenzene** reference substance for gas chromatography C_8H_{10} MW 106.17		5 ml	21.—	
1813	•I•	**Ethyl benzoate** for synthesis (ORG) $C_9H_{10}O_2$ MW 150.18 1 l = 1.05 kg		250 ml	8.50	
1808		**Ethyl benzoylacetate** for synthesis (ORG) $C_{11}H_{12}O_3$ MW 192.22 1 l = 1.11 kg		100 ml	16.	
		Ethylbenzylamine see *N*-Benzylethylamine				
7538		**Ethyl benzyl ketone** for synthesis (ORG) $C_{10}H_{12}O$ MW 148.21 1 l = 0.99 kg		100 ml	22.—	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
871	•|•	**Ethyl bromide** for synthesis (LAB) C_2H_5Br MW 108.97	1 l = 1.44 kg	250 ml 1 l	9.50 30.—	
		TYPE ANALYSIS: Assay (gas chromatographic) . . . . . 97% Stabiliser . . . . 2–3% ethanol d 20°/4° . . . . . 1.440–1.444 Boiling-range . . . 36–38.5° C Free bromine . . . passes test Non-volatile substances 0.01%				
870	•|•	**Ethyl bromide** extra pure DAB 6 C_2H_5Br MW 108.97	1 l = 1.44 kg	**250 ml** **1 l**	9.— 28.—	
1636	•|•	**Ethyl bromoacetate** for synthesis (LAB) $C_4H_7BrO_2$ MW 167.01	1 l = 1.50 kg	250 ml 1 l	18.75 55.—	
		TYPE ANALYSIS: Assay of bromine (argentometric) . 46.5% Boiling-range . . . 154–158° C Non-volatile substances 0.05% Water (acc. to Karl Fischer) 0.06%				
		Ethyl bromobenzene see Bromoethylbenzene				
1286	•|•	**2-Ethyl-1-butanal** for synthesis (ORG) $C_6H_{12}O$ MW 100.16	1 l = 0.81 kg	500 ml	8.—	
1393	•|•	**2-Ethyl-1-butanol** for synthesis (ORG) $C_6H_{14}O$ MW 102.18	1 l = 0.83 kg	1 l	11.25	
1288		**2-Ethyl-2-butyl-1,3-propanediol** for synthesis (ORG) $C_9H_{20}O_2$ MW 160.26		100 g	9.—	
500	•|•	**Ethyl butyrate** for synthesis (ORG) $C_6H_{12}O_2$ MW 116.16	1 l = 0.88 kg	250 ml	5.30	
501		**Ethyl-*iso*-butyrate** for synthesis (ORG) $C_6H_{12}O_2$ MW 116.16	1 l = 0.86 kg	250 ml	11.50	
1480	•|•	**2-Ethylbutyric acid** for synthesis (ORG) $C_6H_{12}O_2$ MW 116.16	1 l = 0.92 kg	250 ml	8.50	
1557	•|•	**Ethyl butyryl acetate** for synthesis (ORG) $C_8H_{14}O_3$ MW 158.20	1 l = 1.43 kg	50 ml	14.75	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2180		**Ethyl caprate** for synthesis (ORG) $C_{12}H_{24}O_2$ MW 200.32	1 l = 0.86 kg	250 ml	11.50	
190	•I•	**Ethyl caproate** for synthesis (ORG) $C_8H_{16}O_2$ MW 144.22	1 l = 0.87 kg	250 ml	13.25	
		2-Ethyl caproate vinyl ester see Vinyl 2-ethylhexanoate				
		2-Ethylcapronaldehyde see 2-Ethylhexanal				
202	•I•	**Ethyl caprylate** for synthesis (ORG) $C_{10}H_{20}O_2$ MW 172.27	1 l = 0.87 kg	100 ml	8.50	
		Ethyl carbamate see Urethan				
413	•I•	**Ethyl chloroacetate** for synthesis (LAB) $C_4H_7ClO_2$ MW 122.55 TYPE ANALYSIS: Assay (gas chromatographic) . . . . 98% d 20°/4° . . . . . 1.151–1.153 Refractive index ($n_D^{20°}$) . . . . . 1.421–1.423 Boiling-range (95%) 140–145° C	1 l = 1.16 kg	250 ml 1 l	5.25 14.50	
		Ethyl chlorocarbonate see Ethyl chloroformate				
881	•I•	**Ethyl chloroformate** for synthesis (LAB) $C_3H_5ClO_2$ MW 108.53	1 l = 1.13 kg	1 l 2½ l	15.— 32.50	
364	•I•	**Ethyl 2-chloropropionate** for synthesis (ORG) $C_5H_9ClO_2$ MW 136.58	1 l = 1.09 kg	100 ml	22.—	
365	•I•	**Ethyl 3-chloropropionate** for synthesis (ORG) $C_5H_9ClO_2$ MW 136.58	1 l = 1.11 kg	100 ml	14.75	
		Ethyl cholesterol carbonate see Cholesterol ethyl carbonate				
238		**Ethyl cinnamate** for synthesis (ORG) $C_{11}H_{12}O_2$ MW 176.22	1 l = 1.05 kg	100 ml	7.60	
2668	•I•	**Ethyl crotonate** for synthesis (ORG) $C_6H_{10}O_2$ MW 114.15	1 l = 0.92 kg	250 ml	15.25	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
882	**Ethyl cyanoacetate** for synthesis (LAB) $C_5H_7NO_2$ MW 113.12 1 l = 1.06 kg TYPE ANALYSIS: Assay (gas chromatographic) . . . . 98% Ethanol and Ethyl acetate . . 0.5 % Diethyl malonate . 0.5 % Ethyl glycinate . . 1 % d 20°/4° . . . . . 1.062—1.064 Boiling-range (760 Torr) . . . . 203–206° C Water . . . . . 0.1 % Sulfated ash . . . 0.01%		250 ml 1 l	4.50 16.25	
883	**Ethyl cyanoacetate** $C_5H_7NO_2$ MW 113.12 1 l = 1.06 kg		1 l 2½ l	23.— 53.—	
	5-Ethyl-5-(1-cyclohexenyl)-barbituric acid see Cyclobarbital				
1466	*N*-**Ethylcyclohexylamine** for synthesis (ORG) $C_8H_{17}N$ MW 127.23 1 l = 0.85 kg		250 ml	14	
	Ethyl decanoate see Ethyl caprate				
	Ethyldecyl ketone see Tridecanone				
907	*N*-**Ethyl-***N*′**-(3-dimethylaminopropyl-carbodiimide hydrochloride** for synthesis (LAB) $C_8H_{18}ClN_3$ MW 191.71	2	1 g	29.—	
3461	**Ethyl 1,3-dioxo-2-*iso*-indolinecarboxylate** for synthesis (LAB) $C_{11}H_9NO_4$ MW 219.20	1.5	25 g	8.50	
	Ethyl-di-*iso*-propylamine see *N*,*N*-Di-*iso*-propylethylamine				
	Ethyl dodecanoate see Ethyl laurate				
	N-Ethyl-*N*-dodecyl-*N*,*N*-dimethylammonium bromide see Quat® 316				
876	**1 M** *N*-**Ethyl-***N*-**dodecyl-***N*,*N*-**dimethylammonium hydroxide in methanol** scintillation grade 1 l = 0.84 kg		101 100 ml 501/500 ml	47. 210.—	
	Ethylene bromide see 1,2-Dibromoethane				

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
932	**Ethylene carbonate** (1,3-dioxolan-2-one) for spectroscopy **Uvasol**® $C_3H_4O_3$ MW 88.06	0.9	100 g 500 g	11.— 47.25	
900	**Ethylene carbonate** (1,3-dioxolan-2-one) for synthesis (LAB) $C_3H_4O_3$ MW 88.06 TYPE ANALYSIS: Assay (gas chromatographic) . . . . . 98% Melting-point . . . . 34–36° C Sulfated ash 0.1%	0.9	250 g 1 kg	5.80 15.75	
	Ethylene chloride see 1,2-Dichloroethane				
	Ethylene chlorohydrin see 2-Chloroethanol				
	Ethylene diacetate see Ethylene glycol diacetate				
947 * •I•	**Ethylenediamine** for synthesis (LAB) $C_2H_8N_2$ MW 60.10 1 l = 0.90 kg		250 ml 1 l 2½ l	5.50 16.— 35.—	
942	**Ethylenediamine mono-4-toluenesulfonate** for synthesis (LAB) $C_9H_{16}N_2O_4S$ MW 248.30		250 g 1 kg	9.50 29.—	
944	**Ethylenediaminetetraacetic acid** pure $C_{10}H_{16}N_2O_8$ MW 292.25	2.2	1 kg 25 kg	15.75	11.90
	Ethylenediaminetetraacetic acid see also Titriplex® II				
	Ethylenediaminetetraacetic acid dipotassium magnesium salt see Magnesium Titriplex®				
	Ethylenediaminetetraacetic acid disodium salt see Titriplex® III				
	Ethylenediaminetetraacetic acid disodium calcium salt see Calcium Titriplex®				
	Ethylenediaminetetraacetic acid disodium zinc salt see Zinc Titriplex®				
943	**Ethylenediaminetetraacetic acid tetrasodium salt** $C_{10}H_{12}N_2Na_4O_8 \cdot 2\,H_2O$ MW 416.21	1.5	1 kg 25 kg	25.25	21.—

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
948	**Ethylenediammonium dichloride** $C_2H_{10}Cl_2N_2$ MW 133.02	2.5		**100 g**	5.50	
	Ethylene dibromide see 1,2-Dibromoethane					
	trans-1,2-Ethylenedicarboxylic acid see Fumaric acid					
	Ethylene dichloride see 1,2-Dichloroethane					
	Ethylenedinitrilotetraacetic acid see Ethylenediaminetetraacetic acid					
	1,1-Ethylenedioxy-3-butanone see Acetylacetaldehyde glycol acetal					
9621	**Ethylene glycol** GR $C_2H_6O_2$ MW 62.07 1 l = 1.11 kg CERTIFICATE OF GUARANTEE: Assay (gas chromatographic) . . . min. 99% Free acid (as CH_3COOH) max. 0.0003 % d 20°/4° . . . . 1.111–1.113 Refractive index ($n_D^{20°}$) . . . . 1.430–1.433 Chloride (Cl) . max. 0.00002% Iron (Fe) . . . max. 0.00002% Sulfated ash . . max. 0.01 % Water (acc. to Karl Fischer) max. 0.15 %			500 ml 1 l 5 l **60 kg**	5.– 7.75 32.50	4.40
949	**Ethylene glycol** $C_2H_6O_2$ MW 62.07 1 l = 1.11 kg			**1 l** **5 l** **60 kg** **5 x 60 kg**	6.80 26.25	3.70 3.55
	Ethylene glycol-d_4 see Tetradeuteroethylene glycol					
	Ethylene glycol-d_6 see Hexadeuteroethylene glycol					
	Ethylene glycol bis(2-cyanoethyl ether) see Fractonitril® II					
	Ethylene glycol bis(3-cyanopropyl ether) see Fractonitril® II					
	Ethylene glycol butyl ether acetate see 2-Butoxyethyl acetate					

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
950	**Ethylene glycol diacetate** (1,2-Diacetoxyethane) for synthesis (ORG) $C_6H_{10}O_4$ MW 146.14	1 l = 1.15 kg	500 ml	10.50	
856	**Ethylene glycol dimethyl ether** for synthesis (LAB) $C_4H_{10}O_2$ MW 90.12	1 l = 0.87 kg	250 ml 1 l	10.75 34.75	
	TYPE ANALYSIS: Assay (gas chromatographic) . . . . 99% Free acid (as CH_3COOH) . 0.005% d 20°/4° . . . . . 0.865–0.867 Boiling-range (95%) 84–86° C Peroxides (as H_2O_2) . . . . 0.001% Water . . . . . 0.1 % Non-volatile substances . . . 0.002%				
855	**Ethylene glycol monoallyl ether** [2-(allyloxy)-ethanol] for synthesis (ORG) $C_5H_{10}O_2$ MW 102.13	1 l = 0.96 kg	100 ml	12.—	
1554	**Ethylene glycol monobutyl ether** [2-(butoxy)-ethanol] for synthesis (ORG) $C_6H_{14}O_2$ MW 118.18	1 l = 0.90 kg	1 l 2½ l	6.80 14.75	
857	**Ethylene glycol monoethyl ether** [2-(ethoxy)-ethanol] for synthesis (LAB) $C_4H_{10}O_2$ MW 90.12	1 l = 0.93 kg	1 l 2½ l 50 kg	7.40 14.50	4.40
	TYPE ANALYSIS: Assay (gas chromatographic) . . . . 98% d 20°/4° . . . . . 0.929–0.930 Boiling-range . . 134–135.5° C Refractive index ($n_D^{20°}$) . . . . 1.4075–1.4085 Non-volatile substances . . 0.002% Water (acc. to Karl Fischer) . 0.2 %				
859	**Ethylene glycol monomethyl ether** [2-(methoxy)-ethanol] GR $C_3H_8O_2$ MW 76.10	1 l = 0.96 kg	500 ml 1 l 2½ l	7.50 13.50 29.—	
858	**Ethylene glycol monomethyl ether** [2-(methoxy)-ethanol] for synthesis (LAB) $C_3H_8O_2$ MW 76.10	1 l = 0.96 kg	1 l 2½ l 25 kg 5 x 25 kg	7.40 15.75	4.20 4.–
	TYPE ANALYSIS: Assay (gas chromatographic) . . . . 98% d 20°/4° . . . . . 0.964–0.966 Boiling-range . . . 123–126° C Refractive index ($n_D^{20°}$) . . . . . 1.4010–1.4030 Non-volatile substances . . . . . 0.002% Water (acc. to Karl Fischer) . . . . 0.2 %				

			Volume			Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
						DM	DM
7291		**Ethylene glycol monophenyl ether** [2-(phenoxy)-ethanol] for synthesis (LAB) $C_8H_{10}O_2$ MW 138.17 1 l = 1.11 kg			1 l	14.75	
7479		**Ethylene glycol monopropyl ether** [2-(propoxy)-ethanol] for synthesis (ORG) $C_5H_{12}O_2$ MW 104.15 1 l = 0.91 kg			1 l	8.–	
7480		**Ethylene glycol mono-*iso*-propyl ether** [2-(*iso*-propoxy)-ethanol] for synthesis (ORG) $C_5H_{12}O_3$ MW 104.15 1 l = 0.91 kg			1 l	7.50	
9739		**Ethylene glycol succinate** for gas chromatography	1.5	P	100 g	42.—	
1289		**Ethylene sulfite** for synthesis (ORG) $C_2H_4O_3S$ MW 108.12 1 l = 1.43 kg			100 ml	10.50	
		Ethylene tetrachloride see Tetrachloroethylene					
		Ethylene trichloride see Trichloroethylene					
		N,N-Ethylene urea see 2-Imidazolidinone					
		N-Ethylethanolamine see 2-Ethylaminoethanol					
		Ethyl ether see Diethyl ether					
891	•I•	**Ethyl formate** for synthesis (LAB) $HCOOC_2H_5$ MW 74.08 1 l = 0.91 kg TYPE ANALYSIS: Assay (gas chromatographic) . . . . 96% Stabiliser . . . . . 5% ethanol d 20°/4° . . . . . 0.915–0.916 Boiling-range . . . 53–54.5° C Non-volatile substances . . . 0.02%			1 l 2½ l	11.50 25.—	
1926		**Ethyl 2-furancarboxylate** for synthesis (ORG) $C_7H_8O_3$ MW 140.14	1.5		100 g	21.	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
893		**Ethyl glycinate hydrochloride** for biochemistry (LAB) $C_4H_{10}ClNO_2$ MW 139.58 TYPE ANALYSIS: Assay (perchloric acid titration; on dried substance) . . . . 99% Sulfate (SO_4) . . . . 0.005 % Heavy metals (as Pb) . 0.001 % Iron (Fe) . . . . . 0.0005% Sulfated ash . . . . 0.1 % Water (acc. to Karl Fischer) . . . 1 %	2	P	100 g 250 g 1 kg	6.60 14.50 48.50	
		Ethyl glycine see Ethyl glycinate hydrochloride					
		Ethyl glycol see Ethylene glycol monoethyl ether					
		Ethyl glycol acetate see 2-Ethoxyethyl acetate					
		Ethyl green see Brilliant green					
		Ethylheptadecylketone see 3-Eicosanone					
		Ethylheptylketone see Decanone					
1294	•I•	**2-Ethylhexanal** for synthesis (ORG) $C_8H_{16}O$ MW 128.22 1 l = 0.82 kg			250 ml	8.75	
9617	•I•	**3-Ethylhexane** reference substance for gas chromatography C_8H_{18} MW 114.23			5 ml	21.—	
		Ethyl hexanoate see Ethyl caproate					
758		**2-Ethylhexanoic acid** for synthesis (ORG) $C_8H_{16}O_2$ MW 144.22 1 l = 0.91 kg			1 l	10.50	
990	•I•	**2-Ethylhexanol** for synthesis (ORG) $C_8H_{18}O$ MW 130.23 1 l = 0.83 kg			1 l 2½ l	6.80 14.25	
835	•I•	**2-Ethylhexyl acrylate** for synthesis (ORG) stabilised with 100 ppm hydroquinone monomethyl ether $C_{11}H_{20}O_2$ MW 184.28 1 l = 0.89 kg			500 ml	9.50	
223	•I•	**2-Ethylhexylamine** for synthesis (ORG) $C_8H_{19}N$ MW 129.25 1 l = 0.79 kg			250 ml	7. ..	
		Ethylhexyl ketone see 3-Nonanone					

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
12[illegible]	2-Ethyl-7-hydroxy-1,2-benzisoxazolium tetrafluoroborate for synthesis (LAB) $C_9H_{10}BF_4NO_2$ MW 250.99	0.5		1 g 5 g	10.80 42.50	
887	**Ethyl 4-hydroxybenzoate** $C_9H_{10}O_3$ MW 166.18	1.6	P P □	**1 kg** **5 kg** **50 kg**	21.50 85.50	15.90
886	**Ethyl 4-hydroxybenzoate sodium salt** $C_9H_9NaO_3$ MW 188.16	1.8	P P □	**1 kg** **5 kg** **50 kg**	24.25 100.—	18.50
8101	Ethyl-3-hydroxy-1-methyl-2-oxo-3-pyrroline-4-carboxylate GR $C_8H_{11}NO_4$ MW 185.18	2		5 g	10.5[illegible]	
	2-Ethyl-2-(hydroxymethyl)-1,3-propanediol see 1,1,1-Tris(hydroxymethyl)-propane					
	Ethyl α-hydroxyphenylacetate see Ethyl mandelate					
1415	**1-Ethylimidazole** for synthesis (ORG) $C_5H_8N_2$ MW 96.13 1 l = 1.00 kg			**100 ml**	13.75	
896	**Ethyl iodide** for synthesis (LAB) C_2H_5I MW 155.97 1 l = 1.92 kg TYPE ANALYSIS: Assay (gas chromatographic) . . . . 99% d 20°/4° . . . . . 1.916–1.926 Boiling-range . . . . 70–72° C Non-volatile substances 0.005%			**100 ml**	12.25	
895	**Ethyl iodide** Erg B 6 C_2H_5I MW 155.97 1 l = 1.92 kg			**25 ml** **100 ml** **500 ml** **30 kg**	4.25 10.50 42.—	39.50
935	**3-(2-Ethyl-5-isoxazolio)-benzenesulfonate** (Woodward's reagent K) for synthesis (LAB) $C_{11}H_{11}NO_4S$ MW 253.28	6		**1 g** **5 g**	13.25 55.—	
5334	**Ethyl laurate** for synthesis (ORG) $C_{14}H_{28}O_2$ MW 228.38 1 l = 0.86 kg			**250 ml**	8.25	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
397	•I•	**Ethyl levulinate** for synthesis (ORG) $C_7H_{12}O_3$ MW 144.17	1 l = 1.01 kg		50 ml	10.50	
1308		*N*-**Ethylmaleinimide** for biochemistry (LAB) $C_6H_7NO_2$ MW 125.13			5 g	18.50	
		Ethyl malonate see Diethyl malonate					
6912		**Ethyl mandelate** for synthesis (ORG) $C_{10}H_{12}O_3$ MW 180.21	1 l = 1.13 kg		100 ml	13.75	
		Ethyl mercaptan see Ethanethiol					
4414		**Ethylmercuric chloride** for synthesis (ORG) C_2H_5ClHg MW 265.11	1		25 g	10.–	
579	•I•	**Ethyl methacrylate** for synthesis (ORG) stabilised with 200 ppm hyrdoquinone monomethyl ether $C_6H_{10}O_2$ MW 114.15	1 l = 0.91 kg		250 ml	8.—	
		Ethyl 3-methylbutanoate see Ethyl *iso*-valerate					
		2-Ethyl-3-methylbutanol see 2-Ethyl-*iso*-valeraldehyde					
9708	•I•	**Ethyl methyl ketone** (2-butanone) GR $CH_3COCH_2CH_3$ MW 72.11 CERTIFICATE OF GUARANTEE: Assay (gas chromatographic) . . . min. 99% d 20°/4° . . . . . 0.804–0.806 Refractive index ($n_D^{20°}$) . . . . 1.3770–1.3810 Boiling-range . . 78.5–80.5° C Non-volatile substances . . max. 0.001% Water (acc. to Karl Fischer) . max. 0.2 %	1 l = 0.80 kg		1 l 2½ l	5.25 11.50	
9709	•I•	**Ethyl methyl ketone** (2-butanone) reference substance for gas chromatography $CH_3COCH_2CH_3$ MW 72.11			5 ml	21.—	
6015		**Ethyl methyl ketone** (2-butanone) **Selectipur®** $CH_3COCH_2CH_3$ MW 72.11	1 l = 0.80 kg		1 l 2½ l	prices on application	
6014	•I•	**Ethyl methyl ketone** (2-butanone) extra pure $CH_3COCH_2CH_3$ MW 72.11	1 l = 0.80 kg		1 l 2½ l	4.75 9.50	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
9615	•I•	**3-Ethyl-2-methylpentane** reference substance for gas chromatography C_8H_{18} MW 114.23		5 ml	21.—	
		5-Ethyl-1-methyl-5-phenylbarbituric acid see Mephobarbital				
		Ethyl 2-methylpropenoate see Ethyl methacrylate				
		Ethylmorphinium chloride see page 482				
1295		*N*-**Ethylmorpholine** for synthesis (ORG) $C_6H_{13}NO$ MW 115.18	1 l = 0.91 kg	250 ml	15.75	
		4-Ethylmorpholine see *N*-Ethylmorpholine				
6201	•I•	**1-Ethyl-2-nitrobenzene** for synthesis (ORG) $C_8H_9NO_2$ MW 151.17	1 l = 1.12 kg	500 ml	9.50	
6208	•I•	**4-Ethylnitrobenzene** for synthesis (ORG) $C_8H_9NO_2$ MW 151.17	1 l = 1.10 kg	250 ml	8.—	
		Ethyl nonyl ketone see 3-Dodecanone				
		Ethyl octanoate see Ethyl caprylate				
		Ethyl orthoformate see Triethyl orthoformate				
6922	•I•	**Ethyl 2-oxocyclopentanecarboxylate** for synthesis (ORG) $C_8H_{12}O_3$ MW 156.18	1 l = 1.08 kg	100 ml	17.50	
		Ethyl 3-oxohexanoate see Ethyl butyryl acetate				
		Ethyl 4-oxopentanoate see Ethyl levulinate				
		Ethyl 3-oxo-3-phenylpropionate see Ethyl cinnamate				
		Ethyl 2-oxopropanoate see Ethyl pyruvate				
		Ethyl 2-oxopropionate see Ethyl pyruvate				
		Ethyl 4-oxovalerate see Ethyl levulinate				

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packin Prices per kg DM
	Ethyl pentadecyl ketone see Octadecan-3-one				
9618	**3-Ethylpentane** reference substance for gas chromatography C_7H_{16} MW 100.21		5 ml	21.—	
	Ethyl pentanoate see Ethyl valerate				
	Ethyl pentyl ketone see 3-Octanone				
7286	**Ethyl phenylacetate** for synthesis (LAB) $C_{10}H_{12}O_2$ MW 164.21 1 l = 1.03 kg TYPE ANALYSIS: Assay (gas chromatographic) . . . . . 97% d 20°/4° . . . . . 1.03–1.04 Refractive index ($n_D^{20°}$) . . . . . 1.497–1.500 Boiling-range (95%, 10 mm) . . 101–106° C		250 ml 1 l	7.50 22.25	
	5-Ethyl-5-phenylbarbituric acid see Phenobarbital				
	Ethyl phenyl ether see Phenetole				
	Ethyl *trans*-3-phenylpropenoate see Ethyl cinnamate				
	Ethyl phosphite see Triethyl phosphite				
	Ethyl phthalate see Diethyl phthalate				
956	**1-Ethylpiperidine** for synthesis (ORG) $C_7H_{15}N$ MW 113.20 1 l = 0.82 kg		100 ml	9.50	
782	**2-Ethylpiperidine** for synthesis (ORG) $C_7H_{15}N$ MW 113.20 1 l = 0.87 kg		100 ml	9.—	
7324	**Ethyl 4-piperidinecarboxylate** for synthesis (ORG) $C_8H_{15}NO_2$ MW 157.21 1 l = 1.01 kg		100 ml	25.—	
783	**1-Ethyl-3-piperidinol** for synthesis (ORG) $C_7H_{15}NO$ MW 129.20 1 l = 0.96 kg		25 ml	25.50	
1300	**Ethyl pivalate** for synthesis (ORG) $C_2H_{14}O_2$ MW 130.19 1 l = 0.85 kg		100 ml	10.50	
606	**Ethyl propionate** for synthesis (ORG) $C_5H_{10}O_2$ MW 102.13 1 l = 0.89 kg		250 ml	6.60	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
230	•|•	**2-Ethylpyridine** for synthesis (ORG) C_7H_9N MW 107.16	1 l = 0.93 kg		100 ml 10.50	
231	•|•	**3-Ethylpyridine** for synthesis (ORG) C_7H_9N MW 107.16	1 l = 0.94 kg		25 ml 13.75	
[illegible]	•|•	**4-Ethylpyridine** for synthesis (ORG) C_7H_9N MW 107.16	1 l = 0.94 kg		25 ml 10.—	
		1-Ethyl-2-pyrrolin-2,5-dione see *N*-Ethylmaleinidide				
6617	•|•	**Ethyl pyruvate** for synthesis (ORG) $C_5H_8O_3$ MW 116.12	1 l = 1.06 kg		100 ml 13.25	
		Ethylsalicylamide see Ethoxybenzamide				
1397	•|•	**2-(Ethylthio)-ethanol** for synthesis (ORG) $C_4H_{10}OS$ MW 106.19	1 l = 1.01 kg		1 l 18.50	
8332		**Ethyl-*p*-toluenesulfonate** for synthesis (LAB) $C_9H_{12}O_3S$ MW 200.26 TYPE ANALYSIS: Assay (ex ester number) 98% Melting-range . . . . 28–32° C Sulfated ash 0.1%	1.5		250 g 7.50 1 kg 22.—	
151	•|•	**Ethyltriethoxysilane** for synthesis (ORG) $C_8H_{20}O_3Si$ MW 192.33	1 l = 0.89 kg		100 ml 13.25	
902	•|•	**Ethyl trimethylsilyl malonate** for synthesis (LAB) $C_8H_{16}O_4Si$ MW 204.30	1 l = 1.00 kg		5 ml 12.50	
1019		**Ethyltriphenylphosphonium bromide** for synthesis (LAB) $C_{20}H_{20}BrP$ MW 371.26	1.5		100 g 30.—	
8465		**Ethyl undecanoate** for synthesis (ORG) $C_{13}H_{26}O_2$ MW 214.35	1 l = 0.86 kg		50 ml 11.—	
		Ethyl urethan see Urethan				

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1467		**2-Ethyl-*iso*-valeraldehyde** for synthesis (ORG) $C_7H_{14}O$ MW 114.19	1 l = 0.82 kg	25 ml	16.50	
8540	•|•	**Ethyl *n*-valerate** for synthesis (ORG) $C_7H_{14}O_2$ MW 130.19	1 l = 0.87 kg	100 ml	6.60	
8541	•|•	**Ethyl *iso*-valerate** for synthesis (ORG) $C_7H_{14}O_2$ MW 130.19	1 l = 0.86 kg	100 ml	7.50	
1391	•|•	**Ethyl vinyl ether** for synthesis (ORG) stabilised with 0,1% KOH C_4H_8O MW 72.11	1 l = 0.75 kg	1 l	12.50	
3657		**17α-Ethynyl-5-androstene-3β,17β-diol** (LAB) $C_{21}H_{30}O_2$ MW 314.47	2.5	10 g	27.75	
		Ethynylbenzene see Phenylacetylene				
		Ethynylcyclohexane see Cyclohexylacetylene				
185		**1-Ethynyl-1-cyclohexanol** for synthesis (ORG) $C_8H_{12}O$ MW 124.18		250 g	16.75	
		Ethynylcyclopentane see Cyclopentylacetylene				
3658		**17α-Ethynylestradiol** [17α-ethynyl-1,3,5(10)-estratriene-3,17β-diol] (LAB) $C_{20}H_{24}O_2$ MW 296.41	3	1 g 10 g	15.75 131.—	
		17α-Ethynyl-1,3,5(10)-estratriene-3,17β-diol see 17α-Ethynylestradiol				
		Ethynylphenylcarbinol see 1-Phenyl-2-propyn-1-ol				
		Etiocholane-3,17-dione see 5β-Androstane-3,17-dione				
8952		**3α-Etiocholanol-17-one** (3α-hydroxy-5β-androstan-17-one) for biochemistry (LAB) $C_{19}H_{30}O_2$ MW 290.45	2	0.1 g	58.—	
3660		**3β-Etiocholanol-17-one** (3β-hydroxy-5β-androstan-17-one) (LAB) $C_{19}H_{30}O_2$ MW 290.45	2	1 g	14.75	
		17β-Etiocholanol-3-one see 5β-Dihydrotestosterone				

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
3175	•I•	**Eucalyptol** water-white, crystallisable, extra pure, b. pt. 176–177° C, DAB 6, BP 1968, Cod Franç 1949, NF XI $C_{10}H_{18}O$ MW 154.25 1 l = 0.92 kg			**250 ml** **1 l**	8.— 25.75	
6962		**Eugenol** Erg B 6, USP XVII $C_{10}H_{12}O_2$ MW 164.21 1 l = 1.06 kg			**100 ml** **500 ml**	7.50 26.25	
6961		**Eugenol methyl ether** for synthesis (ORG) $C_{11}H_{14}O_2$ MW 178.23 1 l = 1.06 kg			100 ml		
		Eusolex see Sun screening substance					
3169		**Evans blue** for determination of blood volume $C_{34}H_{24}N_6Na_4O_{14}S_4$ MW 960.82 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.3		5 g	7.50	
3210		**Extract of aloe** DAB 7, Ph Ned VI	2.3	P	**250 g** **1 kg**	8.— 23.75	
2176		**Extract of capsicum** (ether extract, min. 1% capsaicin) NF XI 1 l = 0.92 kg			**50 ml** **1 l** **2½ l**	4.75 61.— 135.—	
2174		**Extract of capsicum** (ether extract, min. 3% capsaicin) 1 l = 0.92 kg			**1 l**	116.—	
3444	†	**Extract of ergot** (secale cornutum) dry (1% total alkaloid)	1.8	P	**25 g** **250 g** **1 kg**	8.— 67.— 263.—	
4204		**Extract of liquorice** (about 40% ammonium glycyrrhizate)	1.9	P □	**5 kg** **25 kg**	137.—	25.—

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
3979	**Extract of meat** dry for microbiology	2	P 100 g	8.75	
			500 g	34.25	
			5 kg	294.—	
	Extract of opium see page 483				
3423	**Extract of rhubarb** DAB 7	1.8	P **100 g**	6.10	
			1 kg	41.—	
			5 kg	184.—	
3753	**Extract of yeast** powder for microbiology	1.8	P 100 g	7.50	
			500 g	28.50	
7555	**Extran**® liquid cleansing agent for laboratory equipment (LAB)		P 1 l	8.—	
	1 l = 1.09 kg		5 l	33.—	
			standard box		
			8 x 5 l	5 l 31.—	
			4 x 8 x 5 l	5 l 30.—	
			P **30 kg**		4.85
7558	**Extran**® powder for automatic laboratory rinsing equipment (LAB)	0.75	P 1 kg	6.—	
			5 kg	26.—	
			10 kg		5.—
			25 kg		4.70

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	FAD see Flavin adenine dinucleotide					
	Faex see Yeast					
	FAM-benzine standard see Petroleum benzine					
3191	**Fast blue salt B** for chromatography	1.3		25 g	4.—	
	Fast green see Malachite green					
	Fast green I see Brilliant green					
1296	**Fast yellow** (C. I. No. 13015, S. No. 172) Food dye E 105	1.9		100 g	10.—	
	Fehling's reagent for detection of sugar					
9042	A) Copper(II) sulfate solution 1 l = 1.04 kg			100 ml 500 ml 2½ l	2.75 5.— 19.75	
9043	B) Potassium sodium tartrate solution alkaline 1 l = 1.25 kg			100 ml 500 ml 2½ l	3.25 7 30	
	Ferric ammonium citrate see Ammonium iron(III) citrate					
	Ferric ammonium sulfate see Ammonium iron (III) sulfate					
	Ferric compounds see Iron(III) compounds					
3978	**Ferrocene** for synthesis (ORG) $C_{10}H_{10}Fe$ MW 186.04	1.8		25 g	8.—	
9193	**1/40 M Ferroin solution** [1,10-phenanthroline iron(II) salt] redox indicator E_0 in 1 M sulfuric acid + 1,06 Volt 1 l = 1.00 kg			25 ml 100 ml 500 ml	4.50 9.— 34.25	
	Ferrous ammonium sulfate see Ammonium iron(II) sulfate					
	Ferrous compounds see Iron(II) compounds					

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
3985	**Ficin** water soluble 3.9 mAnson units/mg for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	2.2	5 g	14.75	
3986	**Ficin** 3.9 mAnson units/mg for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	2.5	25 g 100 g	14.75 48.25	
3988	**Ficin** water soluble 30 000 units/g (hemoglobin) 75 000 units/g (casein)	2.2	100 g	210.—	
3989	**Ficin** bound to CM cellulose 0.2–0.3 U/mg for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.		0.25 g 1 g	50.— 180.	
3987	**Ficin** 30 000 units/g (hemoglobin), 80 000 units/g (casein)	2.5	250 g	96.—	
	Fischer's solutions see Karl Fischer's solutions				
	Flame photometry, Titrisols for . . . see page 714				
3982	**Flavin adenine dinucleotide (FAD) disodium salt** for biochemistry (LAB) $C_{27}H_{31}N_9Na_2O_{15}P_2$ MW 829.52	4	25 mg	12.—	
3977	**9-Fluorenone** for synthesis (ORG) $C_{13}H_8O$ MW 180.21	2	250 g	23.—	
3993	**Fluorescein Selectipur®** $C_{20}H_{12}O_5$ MW 332.32		50 g	price on application	
3990	**Fluorescein** (C. I. No. 45 350, S No. 880) Erg B 6 $C_{20}H_{12}O_5$ MW 332.32	2	25 g 100 g	4.25 9.50	
3992	**Fluorescein sodium** (C. I. No. 45 350, S No. 880) powder $C_{20}H_{10}Na_2O_5$ MW 376.28 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2	50 g 250 g 1 kg 5 kg	5.25 20.— 68.— 300.—	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
		Fluorescein sodium see also Uranine AP					
3994		**Fluorescein *iso*-thiocyanate** for the fluorescent microscopic detection of antigen-antibody-reactions $C_{21}H_{11}NO_5S$ MW 389.39	3		0.25 g	18.—	
9182		**Fluorescent indicator F_{254}** for thin layer chromatography	1.3		25 g 100 g	6.30 19.50	
9681		**Fluorescin** for chromatography $C_{20}H_{14}O_5$ MW 334.33	2.5		25 g	9.75	
2965	•I•	**Fluorobenzene** for synthesis (LAB) C_6H_5F MW 96.11 1 l = 1.03 kg TYPE ANALYSIS: Assay (gas chromatographic) . . . . 99% d 20°/4° . . . . . 1.024–1.026 Refractive index ($n_D^{20°}$) . . . . . 1.465–1.467 Boiling-range (95%) 84–87° C			100 ml 250 ml	12.50 29.—	
340		**4-Fluorobenzoic acid** standard for elementary analysis $C_7H_5FO_2$ MW 140.12 CERTIFICATE OF GUARANTEE: Carbon (C) . . . . . 60.0% Hydrogen (H) . . . . . 3.6% Fluorine (F) . . . . . 13.6% Oxygen (O) . . . . . 22.8% Suitable for determination of C, H, F	3		5 g	16.75	
		Fluoroboric acid see Hydrofluoroboric acid					
2966	•I•	**1-Fluoro-2,4-dinitrobenzene** GR $C_6H_3FN_2O_4$ MW 186.10 1 l = 1.52 kg CERTIFICATE OF GUARANTEE: Assay (ex N) . . min. 99% Melting-range . . 23–26° C Heavy metals (as Pb) . . . . max. 0.001% Iron (Fe) . . . . max. 0.001% Sulfated ash . . max. 0.1 %			5 ml 20 ml 100 ml	5. 12.— 47.—	
		Fluorosilicic acid see Hydrofluorosilicic acid					
3984		**Folic acid** for biochemistry (LAB) $C_{19}H_{19}N_7O_6$ MW 441.41 TYPE ANALYSIS: Assay (on anhydrous substance) . . . . . 98% Water (acc. to Karl Fischer) . . . 5.0–8.5% Sulfated ash 0.1%	3.1		1 g 10 g	4.25 6.30	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
500010	**Folic acid** pure DAB 7, BP 1963, USP XVII $C_{19}H_{19}N_7O_6$ MW 441.41 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	3.1	P 100 g 500 g 1 kg	prices on application	
501405	**Folic acid concentrate** about 33%, for dry pharmaceutical preparations, spray-dried		1 kg	price on application	
9001	**Folin-Ciocalteu's phenol reagent** 1 l = 1.22 kg		100 ml 500 ml	4.— 12.25	
9022 *	**Folin-Denis' reagent** for detection of uric acid 1 l = 1.14 kg		100 ml 500 ml	4.— 9.50	
9411	**Folin-Wu's copper reagent** for determination of blood sugar 1 l = 1.04 kg		P 250 ml 1 l	4.25 9.25	
9412	**Folin-Wu's molybdic acid reagent** for determination of blood sugar 1 l = 1.28 kg		250 ml 1 l	5.80 16.25	
	Formal see Formaldehyde dimethyl acetal				
6017 *	**Formaldehyde dimethyl acetal** for synthesis (ORG) stabilised with 6% methanol $C_3H_8O_2$ MW 76.10 1 l = 0.86 kg		1 l	9.25	
4003 *	**Formaldehyde solution** 35% w/w GR HCHO MW 30.03 1 l = 1.08 kg CERTIFICATE OF GUARANTEE: Assay (iodometric) . min. 35.0% Free acid (as HCOOH) max. 0.03 % Chloride (Cl) . max. 0.0001 % Sulfate (SO_4) . max. 0.002 % Heavy metals (as Pb) . . . . max. 0.0002 % Iron (Fe) . . . . max. 0.0001 % Sulfated ash . . max. 0.002 %		1 l P 5 l standard box 30 x 1 l 4 x 30 x 1 l P 60 kg	6.— 20.— 1 l 5.60 1 l 5.40	2.50
4001 *	**Formaldehyde solution** 35% w/w DAB 7, USP XVII HCHO MW 30.03 1 l = 1.08 kg		1 l P 5 l P 60 kg 5 x 60 kg	4.50 15.—	1.75 1.70

			Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
3999	*	**Formaldehyde solution** min. 37% w/w, free from acid, for histology HCHO MW 30.03	1 l = 1.09 kg		
			1 l	6.30	
			5 l	23.25	
			60 kg		3.05
4002	*	**Formaldehyde solution** min. 37% w/w BP 1968, USP XVII HCHO MW 30.03	1 l = 1.09 kg		
			1 l	4.50	
			5 l	15.—	
			standard box		
			30 x 1 l	1 l 4.25	
			4 x 30 x 1 l	1 l 4.10	
			60 kg		1.75
			5 x 60 kg		1.70
		Formaldehyde sulfoxylate sodium see Sodium formaldehyde sulfoxylate			
9684	*	**Formamide** GR $HCONH_2$ MW 45.04	1 l = 1.13 kg		
		CERTIFICATE OF GUARANTEE: Assay (ex N) . . . min. 99% d 20°/4° . . . . . 1.130–1.135 Refractive index ($n_D^{20°}$) . . . . 1.446–1.448 Boiling-range (15 nm) . . . . 103–106° C Heavy metals (as Pb) . . . . max. 0.001% Iron (Fe) . . . . max. 0.001% Water (acc. to Karl Fischer) . . max. 0.5 % Residue on ignition (as sulfates) . . max. 0.05 %			
			500 ml	3.50	
			1 l	6.50	
			5 l	31	
4008	*	**Formamide** $HCONH_2$ MW 45.04	1 l = 1.13 kg		
			1 l	7.50	
			5 l	30.—	
			60 kg		3.95
3975		**Formamidinium acetate** for synthesis (ORG) $C_3H_8N_2O_2$ MW 104.11			
			25 g	9.—	
264	•|•*	**Formic acid** 98–100% GR HCOOH MW 46.03	1 l = 1.22 kg		
		CERTIFICATE OF GUARANTEE: Assay of HCOOH min. 98% Chloride (Cl) . . max. 0.0005 % Sulfate (SO_4) . max. 0.002 % Sulfite (SO_3) . . max. 0.001 % Acetic acid (CH_3COOH) . max. 0.05 % Lead (Pb) . . . max. 0.00001% Copper (Cu) . . max. 0.00001% Iron (Fe) . . . . max. 0.0005 % Zinc (Zn) . . . max. 0.00001% Cadmium (Cd) . max. 0.00001% Ammonium (NH_4) max. 0.002 % Non-volatile substances . . max. 0.002 %			
			500 ml	6.—	
			1 l	9.50	
			1½ l	13.—	
			30 kg		3.25
			5 x 30 kg		3.—
			50 kg		3.25

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
263	•I• * **Formic acid** 98–100% crystallisable DAB 7 HCOOH MW 46.03 TYPE ANALYSIS: Assay . . . . . 98% Non-volatile substances . . . . . 0.005% Acetate (CH_3COO) . . 0.2 % Oxalate (C_2O_4) . . . 0.01 % Chloride (Cl) . . . . 0.005% Sulfate (SO_4) . . . . 0.005% Sulfite (SO_3) . . . . . 0.005% Heavy metals (as Pb) . 0.001%	1 l = 1.22 kg		1 l 2½ l 30 kg 5 x 30 kg 50 kg	8.— 15.—	 3.40 3.25 3.45
	Formic acid-d_2 see Dideuteroformic acid				
	Formin see Hexamethylenetetramine				
	Formol see Formaldehyde solution				
	4-Formylacetanilide see 4-Acetamidobenzaldehyde				
4018	**4-Formylmorpholine** for synthesis (ORG) $C_5H_9NO_2$ MW 115.13	1 l = 1.20 kg		100 ml	9.—	
9619	•I• **Fractonitril® II** [ethylene glycol bis(2-cyanoethyl ether)] for gas chromatography $C_8H_{12}N_2O_2$ MW 168.20	1 l = 1.07 kg		100 ml	17.75	
9787	•I• **Fractonitril® III** [1,2,3-tris(2-cyanoethoxy)-propane] for gas chromatography $C_{12}H_{17}N_3O_3$ MW 251.29	1 l = 1.11 kg		100 ml	31.50	
9601	•I• **Fractonitril® VI** [1,2,3,4,5,6-hexakis(2-cyanoethoxy)-hexane] from sorbitol for gas chromatography $C_{24}H_{32}N_6O_6$ MW 500.56	1 l = 1.18 kg		100 ml	23.25	
9032	•I• **Frank-Kirberger's molybdatoarsenic acid reagent** (arsenomolybdic acid) for determination of blood sugar	1 l = 1.08 kg		250 ml 500 ml	4.75 7.60	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5323	D(−)**Fructose** for bacteriology $C_6H_{12}O_6$ MW 180.16	1.4	P	100 g 250 g	5.50 11.50	
5322	D(−)**Fructose** for biochemistry (LAB) $C_6H_{12}O_6$ MW 180.16	1.4	P	100 g	7.50	
5321	D(−)**Fructose** extra pure DAB 7 $C_6H_{12}O_6$ MW 180.16 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.4	P P P □	100 g 1 kg 5 kg 50 kg	4.25 23.75 105.—	 18.50
5324	Fructose 1,6-diphosphoric acid monocalcium salt for biochemistry (LAB) $C_6H_{12}CaO_{12}P_2 \cdot H_2O$ MW 396.20	4	P P	5 g 25 g	8.— 33.—	
5325	**Fructose 1,6-diphosphoric acid tetrakis(cyclohexylammonium) salt** cryst. for biochemistry (LAB) $C_{30}H_{66}N_4O_{12}P_2 \cdot 10\,H_2O$ MW 916.98	2	⚗	1 g	15.75	
5351	**Fructose 1-phosphoric acid bis(cyclohexylammonium) salt** for biochemistry (LAB) $C_{18}H_{39}N_2O_9P$ MW 458.49	3	⚗	0.1 g	53.—	
5350	**Fructose 6-phosphoric acid barium salt** for biochemistry (LAB) $C_6H_{11}BaO_9P \cdot H_2O$ MW 413.48	2.5	⚗	1 g	11.50	
4041	**Fuchsin (NB)** (C.I. No. 42 520, S. No. 782) powder for microscopy $C_{22}H_{24}ClN_3$ MW 365.91	1.8	⚗ ⚗	25 g 100 g	3.75 8.—	
4040	**Fuchsin (NB)** (C.I. No. 42 520, S. No. 782) powder $C_{22}H_{24}ClN_3$ MW 365.91	1.8	⚗ ⚗ □	100 g 1 kg 5 kg	5.25 38.25 174.—	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7629	**Fuchsin acid** (Rubin S) (C.I. No. 42 685, S. No. 800) for microscopy	1.3		25 g 100 g	4.25 10.—	
	Fuchsin diamond see Diamond fuchsin					
4044	**Fuchsin lactose agar** acc. to Endo (type C) for microbiology (39 g for 1 litre of culture medium)	1.7		39 g 500 g 10 x 500 g	4.25 30.— 28.—	
4043	**Fuchsin lactose agar** acc. to Endo (type S) for microbiology (37 g for 1 litre of culture medium)	1.7		37 g 500 g 10 x 500 g	4.— 28.50 26.50	
4045	**Fuchsin lactose broth** for microbiology (13 g for 1 litre of culture medium)	1.7		13 g 500 g 10 x 500 g	3.— 27.50 26.—	
269	**Fumaric acid** for synthesis (ORG) $C_4H_4O_4$ MW 116.07	1	P	1 kg	8.25	
277	**Fumaronitrile** for synthesis (ORG) $C_4H_2N_2$ MW 78.07	2		10 g	19.—	
5414	**Fungus agar** acc. to Kimmig (base) for microbiology (50 g for 1 litre of culture medium)	1.7		50 g 500 g 10 x 500 g	5.25 32.50 30.—	
	Fungus culture medium acc. to Sabouraud see Glucose peptone agar acc. to Sabouraud					
5415	**Fungus selective agar** acc. to Littman for microbiology (50 g for 1 litre of culture medium)	2		50 g 500 g 10 x 500 g	5.50 37.50 35.50	
	2-Furancarbaldehyde see Furfural					
1924	**2-Furancarboxylic acid** for synthesis (ORG) $C_5H_4O_3$ MW 112.09			250 g 1 kg	23.25 79.—	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4013	•|•	**Furfural** GR $C_5H_4O_2$ MW 96.09 CERTIFICATE OF GUARANTEE: Assay (iodometric) min. 95% d 20°/4° . . . . . 1.158–1.160 Refractive index ($n_D^{20°}$) . . . . . 1.524–1.526 Boiling-range . . 158–163° C Sulfated ash . . . max. 0.015%	1 l = 1.16 kg			
				20 ml	4.–	
				100 ml	10.50	
				1 l	84.–	
4012	•|•	**Furfural** for synthesis (ORG) $C_5H_4O_2$ MW 96.09	1 l = 1.16 kg			
				250 ml	4.75	
				1 l	17.50	
4015		**Furfuryl alcohol** for synthesis (ORG) $C_5H_6O_2$ MW 98.10	1 l = 1.13 kg	1 l	13.25	
4016	•|•	**Furfurylamine** for synthesis (ORG) C_5H_7NO MW 97.12	1 l = 1.05 kg	100 ml	9.–	
		2-Furylmethanol see Furfuryl alcohol				
		(2-Furylmethyl)-amine see Furfurylamine				
4017		**2-Furyl methyl ketone** for synthesis (ORG) $C_6H_6O_2$ MW 110.11		25 g	10.50	
9402	•|•	**Fusion mixture** for determination of nitrogen	1 l = 1.76 kg	1 l	6.80	
				2½ l	14.50	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Galactaric acid see Mucic acid					
4080	D-**Galactosamine hydrochloride** for biochemistry (LAB) $C_6H_{14}ClNO_5$ MW 215.64	3		0.25 g 1 g	15. 50.—	
4062	D(+)**Galactose** for bacteriology $C_6H_{12}O_6$ MW 180.16	3	P	25 g 100 g	4.50 10.—	
4058	D(+)**Galactose** for biochemistry (LAB) $C_6H_{12}O_6$ MW 180.16	2.5		25 g	8.—	
4061	D(+)**Galactose** extra pure Ph Ned VI $C_6H_{12}O_6$ MW 180.16	2.8	P	100 g 1 kg 5 kg	6.80 53.— 240.—	
447046	D(+)**Galactose*** for liver function tests $C_6H_{12}O_6$ MW 180.16	2.6	P	40 g	3.55	
4060	D(+)**Galactose*** for liver function tests $C_6H_{12}O_6$ MW 180.16	2.6		1 kg 5 kg	50. 225.—	
	* Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.					
4081	D-**Galacturonic acid** (monohydrate) for biochemistry (LAB) $C_6H_{10}O_7 \cdot H_2O$ MW 212.16	2.5	P	5 g	19.—	
280	**Gallic acid** cryst., extra pure, DAB 6, JP VI, Reag USP XV $C_7H_6O_5 \cdot H_2O$ MW 188.14	2.5		250 g 1 kg 5 kg 50 kg	8.75 32.— 137.—	 24.50
285	**Gallic acid** pure $C_7H_6O_5 \cdot H_2O$ MW 188.14	2.5	P	250 g 1 kg 5 kg 50 kg	8.— 27.25 120.—	 21.50

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4064	**Gallium oxide** (LAB) Ga_2O_3 MW 187.44 TYPE ANALYSIS: Substances soluble in water (as sulfates) . . . . . 0.5% Loss on drying (105°C) . 0.5%	1		1 g 10 g	12.25 95.—	
4050	**Gallocyanine chloride** for bacteriology and microscopy $C_{15}H_{13}ClN_2O_5$ MW 336.73	2.3		25 g	4.75	
4063	**Gas black** granular for elementary analysis	3		25 g 100 g	9.— 10.—	
4070	**Gelatin** for microbiology	1.6		100 g 500 g	4.75 10.50	
4072	**Gelatin** white extra fine DAB 7	8		bag 500 g	15.25	
4078	**Gelatin** powder	1.6		500 g 1 kg 5 kg 9051/50 kg	5.80 11.— 49.50	7.90
500441	**Gentian violet** (methylrosaniline) (C.I. No. 42 535, S. No. 783) pharmaceutical grade	1.5		25 g 100 g 1 kg	4.50 9.25 67.50	
1402	**Gentian violet B** (C.I. No. 42 535, S. No. 783) for microscopy	1.5		25 g 100 g	5.25 7.50	
1400	**Gentian violet B** (C.I. No. 42 535, S. No. 783)	1.5		100 g 250 g 1 kg	5.50 11.— 35.25	
	Gentian violet solution see Sternheimer-Malbin's solution					
1403	**Gentian violet bile lactose broth** acc. to Kessler-Swenarton for microbiology (25 g for 1 litre of culture medium)	1.7		25 g 500 g 10 x 500 g	3.50 22.— 91.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
6451	**Gentisic acid sodium salt** $C_7H_5NaO_4$ MW 176.11	1.8	100 g 1 kg 5 kg	6.30 48.25 210.—	
9203	**Giemsa's azur eosin methylene-blue** for microscopy	1.8	25 g 100 g	11.25 36.25	
9204	**Giemsa's azur eosin methylene-blue solution** for microscopy 1 l = 0.99 kg		100 ml 500 ml 2½ l 20 l 50 l	3.75 9.— 35.25	litre 12.— litre 11.25
4082	**Girard's reagent P** [1-(carbazomethyl)-pyridinium chloride] (LAB) $C_7H_{10}ClN_3O$ MW 187.63	2.3	100 g	14.75	
4083	**Girard's reagent T** (carbazoylmethyl trimethyl ammonium chloride) $C_5H_{14}ClN_3O$ MW 167.64 CERTIFICATE OF GUARANTEE: Assay (ex N) . . . min. 99 % Sulfated ash . . . max. 0.05% Water (acc. to Karl Fischer) . . . max. 0.5%	1.5	25 g 100 g	6.30 18.—	
4135	**Gitoxin** cryst. pure $C_{41}H_{64}O_{14}$ MW 780.96	3	1 g	23.75	
9999	**Glass rods** for opening Titrisol ampoules		50 rods	8.50	
4086	**Glass wool** (LAB) TYPE ANALYSIS: Substances soluble in hydrochloric acid . . 0.8 % Alkalinity (as Na_2O) . 0.1 % Heavy metals (as Pb) . 0.001%	10	500 g 1 kg 5 kg	7.50 12.75 53.—	

Glucamylase see Amyloglucosidase

Glucochloral see α-D(+)-*gluco*-Chloralose

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	α-D(+)Glucochloralose see α-D(+)-*gluco*-Chloralose, page 174					
	D-Glucofuranurono-6,3-lactone see D-Glucurono-γ-lactone					
	Gluconic acid calcium salt see Calcium gluconate					
	Gluconic acid iron(II) salt see Iron(II) gluconate					
	Gluconic acid lactone see Gluconolactone					
	Gluconic acid potassium salt see Potassium D-gluconate					
288	**Gluconolactone** (gluconic acid lactone) for biochemistry (LAB) $C_6H_{10}O_6$ MW 178.14 TYPE ANALYSIS: Assay (acidimetric) 99.5%; Melting-range . . . 147–152° C; Glucose . . . . . passes test; Chloride (Cl) . . 0.005%; Sulfate (SO_4) . . . . 0.01 %; Heavy metals (as Pb) . 0.003%; Sulfated ash . . . . . 0.1 %	1.6	P	250 g 1 kg	6.30 17.75	
4113	D-**Glucosamine hydrochloride** for biochemistry (LAB) $C_6H_{14}ClNO_5$ MW 215.64		P	100 g	20.—	
8342	D(+)**Glucose** (monohydrate) for bacteriology $C_6H_{12}O_6 \cdot H_2O$ MW 198.17	1.5	P	500 g 1 kg 2½ kg	5.50 8.50 20.50	
8336	D(+)**Glucose** (monohydrate) for biochemistry (LAB) $C_6H_{12}O_6 \cdot H_2O$ MW 198.17	1.5	P	250 g	4.25	
8346	D(+)**Glucose** (monohydrate) DAB 7 $C_6H_{12}O_6 \cdot H_2O$ MW 198.17 see also Carbohydrate test leaflets		P P □	1 kg 5 kg 50 kg	5.— 17.25	2.40
8337	D(+)**Glucose** anhydrous for biochemistry (LAB) $C_6H_{12}O_6$ MW 180.16	1.5	P	250 g 1 kg	4.25 10.—	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5268	**Glucose agar** for microbiology (41 g for 1 litre of culture medium)	1.8		41 g 500 g 10 x 500 g	4.25 27.50 25.50	
8338	**Glucose broth** for microbiology (20 g for 1 litre of culture medium)	1.7		20 g 500 g 10 x 500 g	3.— 20.— 19.—	
8340	**Glucose-oxidase** 1.4 U/mg for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	1.5		5 g 25 g	6.— 23.75	
8341	**Glucose-oxidase** lyophilised 12 U/mg for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	3		0.1 g 1 g	4.75 27.75	
7315	**Glucose peptone agar** acc. to Sabouraud modified for mycology (47 g for 1 litre of culture medium)	1.7		47 g 500 g 10 x 500 g	4.75 29.— 27.—	
8339	**Glucose peptone broth** acc. to Sabouraud for microbiology (30 g for 1 litre of culture medium)	1.7		30 g 500 g 10 x 500 g	3.50 20.— 19.—	
8344	**Glucose 6-phosphoric acid barium salt** for biochemistry (LAB) $C_6H_{11}BaO_9P \cdot 7\,H_2O$ MW 521.57	2.5		1 g	16.75	
8345	**Glucose 1-phosphoric acid disodium salt** for biochemistry (LAB) $C_6H_{11}Na_2O_9P \cdot 4\,H_2O$ MW 376.16	2.5		1 g 5 g	4.25 9.50	
4100	**β-Glucuronidase** stabilised aqueous solution (cattle liver) 10 U/ml for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.			2 ml	26.25	
282	D-**Glucurono-γ-lactone** (monohydrate) for biochemistry (LAB) $C_6H_8O_6$ MW 176.13	1.2	P	25 g	9.50	

D-Glucuronolactone see D-Glucurono-γ-lactone

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
291	L(+)**Glutamic acid** for biochemistry (LAB) $C_5H_9NO_4$ MW 147.13 TYPE ANALYSIS: Assay (perchloric acid titration; on dried substance) . . . . . 99% Melting-range . . . 197–203° C (within 2°) Specific rotation ($[\alpha]_D^{20}$°; c = 10, 1N HCl) +30° to +32° Chloride (Cl) . . . . 0.01 % Sulfate (SO_4) . . . . . 0.005% Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.001% Ammonium (NH_4) . . . 0.001% Sulfated ash . . . . . 0.1 % Water (acc. to Karl Fischer) . . . . 0.5 % Loss on drying (105° C) . . . . . 0.2 %	1.3	P	100 g 250 g 1 kg	6.60 14.25 price on application	
290	L(+)**Glutamic acid** Ph Helv V Suppl III $C_5H_9NO_4$ MW 147.13	1.6	P ▬ ▭ ▭	250 g 1 kg 5 kg 25 kg	5.25 16.75 74.—	13.20
297	L-**Glutamic acid γ-benzyl ester** for synthesis (LAB) $C_{12}H_{15}NO_4$ MW 237.26	2	P	5 g	10.50	
293	L-**Glutamic acid dimethyl ester hydrochloride** for synthesis (LAB) $C_7H_{14}ClNO_4$ MW 211.65	2	▬	10 g	12.25	
292	L(+)**Glutamic acid hydrochloride** for biochemistry (LAB) $C_5H_{10}ClNO_4$ MW 183.59 TYPE ANALYSIS: Assay (acidimetric; on dried substance) . . . 99% Melting-range . . . 198–205° C Specific rotation ($[\alpha]_D^{20}$°; c = 5, 1N HCl) +25° to +26.5° Sulfate (SO_4) . . . . 0.005% Heavy metals (as Pb) 0.001% Iron (Fe) . . . . . 0.001% Ammonium (NH_4) . . 0.001% Sulfated ash . . . . . 0.1 % Water (acc. to Karl Fischer) . . . 1.0 %	1.5	P	100 g 250 g 1 kg	8.50 18.— price on application	
289	L(+)**Glutamine** for biochemistry (LAB) $C_5H_{10}N_2O_3$ MW 146.15 TYPE ANALYSIS: Assay (perchloric acid titration; on dried substance) . . . . . 99% Melting-range . . . 180–185° C Specific rotation ($[\alpha]_D^{20}$°; c = 5, 1N HCl) +31° to +33° Chloride (Cl) . . . . 0.005% Sulfate (SO_4) . . . . 0.005% Heavy metals (as Pb) 0.001% Iron (Fe) . . . . . 0.001% Sulfated ash . . . . . 0.1 % Water (acc. to Karl Fischer) . . . . 1.0 %	1	P	25 g 100 g 1 kg	6.60 19.50 price on application	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4240		**Glutaraldehyde disodium hydrogen sulfite** for synthesis (ORG) $C_5H_{10}Na_2O_8S_2$ MW 308.24		P 250 g	10.—	
4239		**Glutaraldehyde solution** 25% for microscopy 1 l = 1.06 kg		250 ml 1 l 2½ l	6.— 15.50 35.—	
295		**Glutaric acid** for synthesis (ORG) $C_5H_8O_4$ MW 132.12		100 g	15.—	
4105	•I•	**Glutaronitrile** for synthesis (ORG) $C_5H_6N_2$ MW 94.12 1 l = 1.00 kg		aluminium bottle 100 ml	29.—	
4245		**Glutaryl-L-phenylalanine-2-naphthylamide** for biochemistry (LAB) $C_{24}H_{24}N_2O_4$ MW 404.47		1 g	25.25	
4244	○	**Glutaryl-L-phenylalanine-4-nitroanilide** (5-[α-(4-Nitrophenylcarbamoyl)-phenethylamino]-5-oxopentanoic acid) for biochemistry (LAB) $C_{20}H_{21}N_3O_6$ MW 399.41 Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	2	1 g	11.—	
4090		**Glutathione** (reduced) for biochemistry (LAB) $C_{10}H_{17}N_3O_6S$ MW 307.33 TYPE ANALYSIS: Assay (acidimetric; on dried substance) . . . 99% Melting-range . . . 185–195° C Specific rotation ($[\alpha]_D^{20}$°; c = 2, water) . . . . −17° to −21° Sulfate (SO_4) . . . . . 0.05 % Heavy metals (as Pb) 0.001% Iron (Fe) . . . . . 0.005% Sulfated ash . . . . . 0.3 % Loss on drying . . . . 1.0 %	2.5	1 g 5 g	9.75 39.—	
4089	†	**Glutathione** (reduced) $C_{10}H_{17}N_3O_6S$ MW 307.33	2.5	100 g	395.—	

Glycerin see Glycerol

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4094	**Glycerol** redistilled (about 87%) GR $C_3H_8O_3$ MW 92.10	1 l = 1.23 kg	P	250 ml 1 l 5 l	5.— 13.25 58.—
				60 kg	7.60
4095	**Glycerol** for fluorescence microscopy $C_3H_8O_3$ MW 92.10	1 l = 1.23 kg	P	250 ml	11.50
4091	**Glycerol** * redistilled (about 87%) extra pure DAB 7 $C_3H_8O_3$ MW 92.10	1 l = 1.23 kg	P	500 ml 1 l 5 l	6.— 10.— 42.50
				60 kg	4.65
4093	**Glycerol** * redistilled anhydrous 1.26 extra pure DAB 7, BP 1963, Cod Franç 1949, USP XV $C_3H_8O_3$ MW 92.10	1 l = 1.26 kg	P	500 ml 1 l 5 l	6.25 10.50 45.—
				60 kg	5.15
8238	**Glycerol triacetate** (triacetin) for biochemistry (LAB) $C_9H_{14}O_6$ MW 218.21	1 l = 1.16 kg	P	100 ml	4.75

CERTIFICATE OF GUARANTEE:

d 20°/4°	1.221–1.231	Readily-carbonisable substances	passes test
Free acid (as CH_3COOH)	max. 0.002 %	Reducing substances (as glycerol aldehyde)	max. 0.003 %
Chloride (Cl)	max. 0.0001%	Water (acc. to Karl Fischer)	12–14 %
Sulfate (SO_4)	max. 0.0005%	Residue on ignition	max. 0.005 %
Heavy metals (as Pb)	max. 0.0001%		
Ammonium (NH_4)	max. 0.0005%		
Fatty acid ester (as glycerol tributyrate)	max. 0.05 %		

TYPE ANALYSIS:

d 20°/4°	1.255–1.260	Chlorinated compounds (as Cl)	0.003 %
Refractive index ($n_D^{20°}$)	1.471–1.474	Sulfated ash	0.01 %
Chloride (Cl)	0.0001%	Water (acc. to Karl Fischer)	2 %
Heavy metals (as Pb)	0.0001%		
Arsenic (As)	0.0001%		

* Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.

Glycerol α-dichlorohydrin see α-Dichlorohydrin

Glycerol gelatin see Kaiser's glycerol gelatin

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1958		**Glycerol tributyrate** (tributyrin) for biochemistry (LAB) (suitable for milk-bacteriology) $C_{15}H_{26}O_6$ MW 302.37 1 l = 1.03 kg			50 ml 250 ml	5.25 16.75	
1957		**Glycerol tributyrate (tributyrin)-agar** (base) for microbiology (20 g for 1 litre of culture medium)	1.7		20 g 500 g 10 x 500 g	4.— 50.— 47.—	
259	•|•	**Glycidol allyl ether** for synthesis (ORG) $C_6H_{10}O_2$ MW 114.15 1 l = 0.97 kg			250 ml	20.50	
1553	•|•	**Glycidol *n*-butyl ether** for synthesis (ORG) $C_7H_{14}O_2$ MW 130.19 1 l = 0.91 kg			250 ml	13.75	
		Glycidol lauryl ether see 1-Dodecyloxy-2,3-epoxypropane					
4201		**Glycine** GR H_2NCH_2COOH MW 75.07 CERTIFICATE OF GUARANTEE: Assay (perchloric acid titration; on dried substance) . . min. 99% Melting-range . . 235–245° C Chloride (Cl) . max. 0.0005% Sulfate (SO_4) . max. 0.002 % Heavy metals (as Pb) . . . max. 0.001 % Iron (Fe) . . . . max. 0.0005% Ammonium (NH_4) . . . . max. 0.0001% Sulfated ash . . max. 0.05 % Water (acc. to Karl Fischer) . max. 0.2 %	1	P	100 g 250 g 1 kg	5.25 10.50 34.25	
4200		**Glycine** for biochemistry (LAB) H_2NCH_2COOH MW 75.07 TYPE ANALYSIS: Assay (perchloric acid titration; on dried substance) . . . 99% Melting-range . . . 235–245° C Chloride (Cl) . . . 0.005 % Sulfate (SO_4) . . . 0.002 % Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.0005% Ammonium (NH_4) . . 0.0001% Sulfated ash . . . . 0.05 % Water (acc. to Karl Fischer) . . . 0.2 %	1	P	100 g 1 kg	6.30 45.—	

		Volume			Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
					DM	DM
500188	**Glycine medicinal** Erg B 6, Reag BP 1963, Cod Franç 1965, NF XIII H_2NCH_2COOH MW 75.07 TYPE ANALYSIS: Assay (perchloric acid titration; on dried substance) . . . 99% Melting-range . . . 235–245° C Chloride (Cl) . . . 0.005 % Sulfate (SO_4) . . . 0.005 % Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.0005% Ammonium (NH_4) . . 0.0005% Sulfated ash . . . . 0.05 % Water (acc. to Karl Fischer) . . . 0.2 %	1.5	P	500 g 1 kg 5 kg 50 kg	6.80 11.25 53.— price on application	
	Glycine ethyl ester hydrochloride see Ethyl glycinate hydrochloride					
	Glycine methyl ester hydrochloride see Methyl glycinate hydrochloride					
	Glycobiarsol see Bismuth(III) glycoloylarsanilate					
	Glycocoll see Glycine					
	Glycocoll methyl ester hydrochloride see Methyl glycinate hydrochloride					
4202	**Glycogen** for biochemistry (LAB) $(C_6H_{10}O_5)x$ TYPE ANALYSIS: Specific rotation ($[\alpha]_D^{20}$°; c = 1, water) . . . about + 170° C Substances reducing Fehling's solution . . . . passes test Total nitrogen (N) . . . 0.5% Loss on drying . . . . . 10 % Sulfated ash . . . . . 3 %	4		1 g 5 g 10 g	4.25 13.50 24.75	
	Glycol see Ethylene glycol					
	Glycol chlorohydrin see 2-Chloroethanol					
	Glycol sulfite see Ethylene sulfite					
4104	**Glycollic acid** for synthesis (ORG) $C_2H_4O_3$ MW 76.05			100 g 1 kg	20.— 165.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk package fob incl. packi Prices per kg DM
4233	**Glycylglycine** for biochemistry (LAB) $C_4H_8N_2O_3$ MW 132.12	5	10 g	11.—	
4185	**Glycyrrhetinic acid** $C_{30}H_{46}O_4$ MW 470.70		5 g	10.50	
4203	**Glycyrrhizin ammoniated** pure	1.9	250 g 1 kg 5 kg	17.— 60.— 275.—	
	see also Extract of liquorice				
4191	**Glyoxal bis(2-hydroxyanil)** GR (reagent for calcium and uranium) $C_{14}H_{12}N_2O_2$ MW 240.26 CERTIFICATE OF GUARANTEE: Assay (ex N) . . . min. 97% Melting-point . . . 198–200° C Sulfated ash . . . max. 0.1% Suitability for determination of metals . . . passes test	6.5	25 g	13.25	
4101	**Glyoxal disodium hydrogen sulfite** (monohydrate) for synthesis (LAB) $C_2H_4O_8Na_2S_2 \cdot H_2O$ MW 284.17	1.2	1 kg	36.75	
4192	**Glyoxal hydrate** trimer for synthesis (LAB) $C_6H_{10}O_5$ MW 210.14	1.6	250 g	7.10	
	Glyoxaline see Imidazole				
4107	**Glyoxylic acid** (monohydrate) for synthesis (ORG) $C_2H_4O_4$ MW 92.05		100 g	9.	
	Gold orange see Methyl orange				
1582	**Gold trichloride acid** [tetrachlorogold(III) acid] yellow (LAB) $H[AuCl_4] \cdot 4\,H_2O$ MW 411.85 TYPE ANALYSIS: Assay . . . . . 48% Au	0.75	1 g 5 g	10.50 39.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
[illegible]	**Gowers' reagent** for enumeration of erythrocytes 1 l = 1.04 kg		500 ml 2½ l	4.25 13.50	
9216	**Gram's carbol gentian-violet solution** for microscopy 1 l = 0.99 kg		100 ml 500 ml	2.75 5.50	
	Gramine see 3-(Dimethylaminomethyl)-indole				
	Grape sugar see D(+)Glucose				
4206	**Graphite** fine powder	2	1 kg 2½ kg 50 kg	6.30 14.75	4.75
	Green acid 1 see Naphthol green B				
	Green acid 5 see Light green yellowish				
	Grignard' reagent see Magnesium turnings Methyl magnesium iodide				
	Grove and Randall medium see Antibiotic agar				
4212 •I• *	**Guaiacol** liquid Erg B 6, NF X $C_7H_8O_2$ MW 124.14 1 l = 1.11 kg		250 ml 1 l 2½ l	9.— 29.50 66.—	
4213	**Guaiacol glycerol ether** for synthesis (ORG) $C_{10}H_{14}O_4$ MW 198.22	[illegible]	[illegible]	[illegible]	
4250	**Guaiazulene** cryst. (1,4-Dimethyl-7-*iso*-propylazulene) $C_{15}H_{18}$ MW 198.31	1	aluminium bottle 100 g 250 g 1 kg	62. 135.— 525.—	
4251	**Guaiazulene** 25% water-soluble		aluminium bottle 250 g 1 kg 5 kg	39.50 142.— 685.—	
4252	**Guaiazulene** 50% solution in oil		aluminium bottle 100 g 250 g 1 kg	36.75 73.— 275.—	
4253	**Guaiazulene** 60% powder	1.6	250 g 1 kg	100.— 380.—	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4220	**Guanidinium chloride** for biochemistry (LAB) CH_6ClN_3 MW 95.53	2	P	100 g	8.—	
4221	**Guanine** (2-aminohypoxanthine) for biochemistry (LAB) $C_5H_5N_5O$ MW 151.13	1.3	P	5 g 25 g	5.25 19.	
4222	**Guanosine** for biochemistry (LAB) $C_{10}H_{13}N_5O_5$ MW 283.25	3	P	5 g 25 g	5.— 15.50	
4227	**Guanosine-5′-diphosphoric acid trilithium salt** ($GDPLi_3$, Guo-5′-P-PLi_3) for biochemistry (LAB) $C_{10}H_{12}Li_3N_5O_{11}P_2$ MW 461.00 This item has to be stored in a refrigerator at 0° C or below. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	2.5		0.1 g	29.	
4228	**Guanosine-5′-diphosphoric acid trisodium salt** ($GDPNa_3$, Guo-5′-P-PNa_3) for biochemistry (LAB) $C_{10}H_{12}N_5Na_3O_{11}P_2$ MW 509.15 This item has to be stored in a refrigerator at 0° C or below. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	3		25 mg	8.	
4229	**Guanosine-5′-monophosphoric acid disodium salt** (5′-GMPNa_2, Guo-5′-PNa_2) for biochemistry (LAB) $C_{10}H_{12}N_5Na_2O_8P$ MW 407.19 Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	3		0.1 g 1 g	6.— 40.—	
4223	**Guanosinephosphoric acid** (mixture of Guo-2′-P and Guo-3′-P) for biochemistry (LAB) $C_{10}H_{14}N_5O_8P$ MW 363.23 Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.			1 g	22.50	
4230	**Guanosine-5′-triphosphoric acid tetralithium salt** ($GTPLi_4$, Guo-5′-P-P-PLi_4) for biochemistry (LAB) $C_{10}H_{12}Li_4N_5O_{14}P_3$ MW 546.91 This item has to be stored in a refrigerator at 0° C or below. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	5		25 mg	23.25	
4282	**Gum arabic** fine powder DAB 7	1.2	P P □	1 kg 5 kg 50 kg	10.— 41.—	7.—
8405	**Gum tragacanth** fine powder DAB 7	1.2	P	250 g 1 kg	27.50 95.—	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
		Haem- see Hem-					
		Hagedorn-Jensen's solutions for determination of blood sugar					
9298	*	**Acetic acid** 3%	1 l = 1.00 kg		500 ml	5.25	
0931/0001		0.005 N Potassium hexacyanoferrate(III) solution Titrisol® (DBP No. 971376) concentrated solution for preparation of 1 litre of 0.005 N solution			ampoule	3.50	
0933/0001		**0.005 N Potassium iodate solution Titrisol®** (DBP No. 971376) concentrated solution for preparation of 1 litre of 0.005 N solution			ampoule	3.50	
9952/0001		**0.005 N Sodium thiosulfate solution Titrisol®** (DBP No. 971376) concentrated solution for preparation of 1 litre of 0.005 N solution			ampoule	3.50	
9299	*	**Starch-sodium chloride solution**	1 l = 1.20 kg		100 ml	3.75	
9296	*	**Zinc sulfate-sodium chloride solution**	1 l = 1.22 kg		500 ml	5.25	
9039		**Haines' reagent** for detection of sugar	1 l = 1.06 kg		500 ml 2½ l	5.50 21.—	
		Hammarsten's Casein see Casein acc. to Hammarsten					
		Hanus' solution see Iodine solution acc. to Hanus					
		Harris' hematoxylin solution see Papanicolaou's solution					

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
9262	•|•	**Hayem's reagent** for serum reaction acc. to Gros and Frimmer 1 l = 1.02 kg		250 ml 1 l	4.25 8.25	
9260	•|•	**Hayem's reagent** for enumeration of erythrocytes 1 l = 1.01 kg		100 ml 500 ml 2½ l	2.75 5.— 16.75	
		Heavy water see Deuterium oxide				
3702		**Hecogenin acetate** (3β-acetoxy-5α, 20α_FH, 22α_FO, 25β_FH-spirostan-12-one) (LAB) $C_{29}H_{44}O_5$ MW 472.67	2.5	10 g 100 g	20.— 105.—	
		Helianthine see Methyl orange				
		Hemalum solution see Mayer's hemalum solution				
4305		**Hematoxylin** (C. I. No. 75 290, S. No. 1376) indicator and for microscopy pH 5.0–7.2 yellow to violet $C_{16}H_{14}O_6$ MW 302.29	1.5	25 g 100 g	7.50 22.—	
4302		**Hematoxylin** cryst. (C. I. No. 75 290, S. No. 1376) $C_{16}H_{14}O_6$ MW 302.29	1.5	25 g 100 g 1 kg	6.50 19.— 165.—	
		Hematoxylin solution acc. to Delafield see Delafield's hematoxylin solution				
		Hematoxylin solution acc. to Harris see Papanicolaou's solution				
		Hemiglobin cyanide standard solutions for Hemoglobin see page 436				
4300	○	**Hemoglobin protease substrate** acc. to Anson for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.		10 g 100 g	26.25 210.—	
9604		*n*-**Heptadecane** reference substance for gas chromatography $C_{17}H_{36}$ MW 240.48		5 ml	21.—	
4553		**Heptadecyl bromide** for synthesis (ORG) $C_{17}H_{35}Br$ MW 319.37		10 g	18.50	

		Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
3419	**Heptadeuterodimethylformamide** deuteration degree not less than 99% for spectroscopy **Uvasol** C_3D_7NO MW 80.14 1 l = 1.05 kg CERTIFICATE OF GUARANTEE: Suitability for IR and NMR spectroscopy passes test	1 ml 10 ml	50.— 430.—	
4565	**Heptafluorobutyric acid** for protein sequenation acc. to Edman and Begg $C_4HF_7O_2$ MW 214.04 1 l = 1.64 kg	100 ml	240.—	
	Heptafluorobutyric anhydride see Bis(heptafluorobutyric) anhydride			
4523	**Heptafluorobutyryl chloride** for synthesis (LAB) C_4ClF_7O MW 232.49 1 l = 1.55 kg	10 ml	36.75	
	Heptanal see Enanthaldehyde			
9686	*n*-**Heptane** reference substance for gas chromatography C_7H_{16} MW 100.21	5 ml	21.—	
4366	*n*-**Heptane** for spectroscopy **Uvasol** C_7H_{16} MW 100.21 1 l = 0.68 kg CERTIFICATE OF GUARANTEE: Suitability for UV spectroscopy (1-cm cell; reference : water) Transmittance at 210 nm . . . . . min. 50% 220 nm . . . . . min. 80% 230 nm . . . . . min. 92% 260 nm . . . . . 100% Suitability for IR spectroscopy passes test	500 ml 1 l 2½ l	16.75 31.50 71.—	
4365	*n*-**Heptane** C_7H_{16} MW 100.21 1 l = 0.68 kg	1 l 2½ l	9.— 20.—	
	3-Heptanecarboxylic acid see 2-Ethylhexanoic acid			
	Heptanedioic acid see Pimelic acid			
4387	**1,7-Heptanediol** for synthesis (ORG) $C_7H_{16}O_2$ MW 132.20 1 l = 0.96 kg	10 ml	15.75	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
		Heptanenitrile see Enanthonitrile				
		Heptanoic acid see Enanthic acid				
3505	•i•	**4-Heptanone** for synthesis (ORG) $C_7H_{14}O$ MW 114.19	1 l = 0.81 kg	100 ml	10.—	
		Heptanonitrile see Enanthonitrile				
5991		D-*manno*-**Heptulose** for biochemistry (LAB) $C_7H_{14}O_7$ MW 210.19	1.8	0.5 g	77.50	
1462	•i•	**Heptyl acrylate** for synthesis (ORG) stabilised with 0.005% hydroquinone and 0.0015% hydroquinone monomethyl ether $C_{10}H_{18}O_2$ MW 170.25	1 l = 0.89 kg	100 ml	9.50	
		Heptyl bromide see Bromoheptane				
		n-Heptyl cyanide see Caprylonitrile				
		Heptyl pentyl ketone see Tridecanone				
4357		**Hesperidin** cryst. $C_{28}H_{34}O_{15}$ MW 610.57	1.5–2	100 g 1 kg 5 kg 50 kg	8.— 53.— 240.— price on application	
4375		**Hesperidin methylchalcone**	2	100 g 1 kg 5 kg	16.75 140.— 655.—	
4377		**Hesperidin phosphate sodium salt**	1.6	100 g	36.75	
396		**Hexacarbonylmolybdenum** for synthesis (LAB) $Mo(CO)_6$ MW 264.00		25 g	22.—	
4325		**Hexachlorobutadiene** for spectroscopy **Uvasol**® C_4Cl_6 MW 260.76 CERTIFICATE OF GUARANTEE: Suitability for IR and NMR spectroscopy passes test	1 l = 1.68 kg	100 ml	6.80	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4499	**Hexachlorodisiloxane** for synthesis (ORG) Cl_6OSi_2 MW 221.35 1 l = 1.58 kg			100 ml	12.—	
7340	**Hexachloroplatinic(IV) acid** dry (LAB) $H_2(PtCl_6) \cdot 6\,H_2O$ MW 517.92	0.5		1 g 5 g 10 g	32.50 153. 300.—	
7341	**Hexachloroplatinic(IV) acid solution** 10% (about 3.9% Pt) GR 1 l = 1.06 kg			5 ml 25 ml	19.5 90.—	
9605	*n*-**Hexadecane** reference substance for gas chromatography $C_{16}H_{34}$ MW 226.45			5 ml	21.—	
	Hexadecanoic acid see Palmitic acid					
	1-Hexadecanol see Cetyl alcohol					
4551	**3-Hexadecanone** for synthesis (ORG) $C_{16}H_{32}O$ MW 240.43	2		10 g	10.50	
	Hexadecanoyl chloride see Palmitoyl chloride					
	n-Hexadecyl bromide see 1-Bromohexadecane					
	n-Hexadecyl chloride see 1-Chlorohexadecane					
	N-Hexadecylpyridinium chloride see *N*-Cetylpyridinium chloride					
	N-Hexadecyl-*N*,*N*,*N*-trimethylammonium bromide see *N*-Cetyl-*N*,*N*,*N*-trimethylammonium bromide					
3446	**Hexadeuteroacetic anhydride** deuteration degree not less than 99% $(CD_3CO)_2O$ MW 108.13 1 l = 1.15 kg			1 ml	130.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. pack Prices per kg DM
25	**Hexadeuteroacetone** deuteration degree not less than 99.5% for spectroscopy **Uvasol**® CD_3COCD_3 MW 64.12 CERTIFICATE OF GUARANTEE: Suitability for IR and NMR spectroscopy passes test	1 l = 0.88 kg	1 ml 10 ml 100 ml	7.— 48.— 410.—	
19	**Hexadeuteroacetone** deuteration degree not less than 99% for spectroscopy **Uvasol**® CD_3COCD_3 MW 64.12 CERTIFICATE OF GUARANTEE: Suitability for IR and NMR spectroscopy passes test	1 l = 0.88 kg	1 ml 10 ml 100 ml	6.— 38.— 335.—	
1789	**Hexadeuterobenzene** deuteration degree not less than 99.5% for spectroscopy **Uvasol**® C_6D_6 MW 84.15 CERTIFICATE OF GUARANTEE: Suitability for IR and NMR spectroscopy passes test	1 l = 0.95 kg	1 ml 10 ml 10 x 10 ml	7.50 53.— 47.—	
1784	**Hexadeuterobenzene** deuteration degree not less than 99% for spectroscopy **Uvasol**® C_6D_6 MW 84.15 CERTIFICATE OF GUARANTEE: Suitability for IR and NMR spectroscopy passes test	1 l = 0.95 kg	1 ml 10 ml 100 ml	5.25 32.— 285.	
3426	**Hexadeuterodimethylammonium chloride** deuteration degree not less than 99% $C_2H_2ClD_6N$ MW 87.58		1 g 10 g	18.— 150.—	
3440	**Hexadeuterodimethyl sulfate** deuteration degree not less than 99% $C_2D_6O_4S$ MW 132.17	1 l = 1.39 kg	5 ml 20 ml	30.— 105.	
3429	**Hexadeuterodimethyl sulfoxide** deuteration degree not less than 99.5% for spectroscopy **Uvasol**® $(CD_3)_2SO$ MW 84.17 CERTIFICATE OF GUARANTEE: Suitability for IR and NMR spectroscopy passes test	1 l = 1.19 kg	1 ml 5 ml 10 ml 100 ml	7.25 26.50 50.— 410.	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2913		**Hexadeuterodimethyl sulfoxide** deuteration degree not less than 99% for spectroscopy **Uvasol** $(CD_3)_2SO$ MW 84.17 CERTIFICATE OF GUARANTEE: Suitability for IR and NMR spectroscopy passes test	1 l = 1.19 kg		1 ml 5 ml 10 ml 100 ml	6.25 21.— 59.— 325.	
1450	•|•	**Hexadeuteroethanol** deuteration degree not less than 98% max. 1% D_2O for spectroscopy **Uvasol** C_2D_6O MW 52.11	1 l = 0.91 kg		1 ml 10 ml	20.— 175.	
1443	•|•	**Hexadeuteroethylene glycol** deuteration degree not less than 99% for spectroscopy **Uvasol** $C_2D_6O_2$ MW 68.11 CERTIFICATE OF GUARANTEE: Suitability for IR and NMR spectroscopy passes test	1 l = 1.22 kg		1 ml 10 ml	40.— 350.—	
3475	•|•	**Hexadeuteromethyl acetate** deuteration degree not less than 99% for spectroscopy **Uvasol** $C_3D_6O_2$ MW 80.12 CERTIFICATE OF GUARANTEE: Suitability for IR and NMR spectroscopy passes test	1 l = 1.01 kg		1 ml 10 ml	20.— 160.—	
4520		**Hexafluoroacetone** (sesquideuterate) deuteration degree not less than 99% for spectroscopy **Uvasol** $C_3F_6O \cdot 1.5\,H_2O$ MW 196.06	1 l = 1.71 kg		1 ml 10 ml	7.— 50.—	
4521		**Hexafluoroacetone** (sesquihydrate) for synthesis (LAB) $C_3F_6O \cdot 1{,}5\,H_2O$ MW 193.04	1 l = 1.67 kg		100 ml	121.—	
4522		**Hexafluoroacetone** (trihydrate) for spectroscopy **Uvasol** $C_3F_6O \cdot 3\,H_2O$ MW 220.08	1 l = 1.60 kg		50 ml	79.—	
4514		**Hexafluorobenzene** for synthesis (LAB) C_6F_6 MW 186.06	1 l = 1.62 kg		5 ml	25.25	
4519		**1,1,1,3,3,3-Hexafluoro-2-propanol** for spectroscopy **Uvasol** $C_3H_2F_6O$ MW 168.04	1 l = 1.62 kg		50 ml	90.—	
4515		**1,1,1,3,3,3-Hexafluoro-2-propanol** for synthesis (LAB) $C_3H_2F_6O$ MW 168.04	1 l = 1.62 kg		25 ml 100 ml	22.50 79.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Hexafluorosilicic acid see Hydrofluorosilicic acid				
	Hexahydrobenzonitrile see Cyclohexanecarbonitrile				
	Hexahydro-2-methyl-1,4-diazine see 2-Methylpiperazine				
4385	**Hexahydro-2-pyrimidinone** for synthesis (ORG) $C_4H_8N_2O$ MW 100.12		250 g	15.50	
	Hexahydro-2,3,6,7-tetrahydroxo-*p*-dioxino [2,3-b]-*p*-dioxine see Glyoxal hydrate trimer				
	Hexahydroxycyclohexane see *meso*-Inositol				
	1,2,3,4,5,6-Hexakis(2-cyanoethoxy)-hexane see Fractonitril® VI				
	1,1,3,3,5,5-Hexakis (trideuteromethyl)-1,3,5-trisilacyclohexane see Cyclosilane				
4344	**Hexamethonium bromide** BPC 1959 $C_{12}H_{30}Br_2N_2$ MW 362.20 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2.2	P 1 kg 5 kg	56.— 258.—	
4324	**1,1,1,3,3,3-Hexamethyldisilazane** for synthesis (LAB) $C_6H_{19}NSi_2$ MW 161.40 1 l = 0.78 kg		25 ml	15.25	
4500	**Hexamethyldisiloxane** for synthesis (ORG) $C_6H_{18}OSi_2$ MW 162.38 1 l = 0.75 kg		100 ml	9.50	
4323	**Hexamethylenediamine** for synthesis (ORG) $C_6H_{16}N_2$ MW 116.21	1.2	250 g	13.75	
4331	**Hexamethylene oxide** for synthesis (ORG) $C_6H_{12}O$ MW 100.16 1 l = 0.77 kg		100 ml	6.80	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4343	**Hexamethylenetetramine** GR $C_6H_{12}N_4$ MW 140.19 CERTIFICATE OF GUARANTEE: Assay . . . . . min. 99.5% Substances insoluble in water . . . max. 0.0025% pH (10% solution) 8.5–9.5 Chloride (Cl) . max. 0.005 % Sulfate (SO_4) . . max. 0.005% Heavy metals (as Pb) . . . . max. 0.001% Ammonium (NH_4) . max. 0.01 % Sulfated ash . . . max. 0.01 %	1.3		250 g 1 kg	5.— 13.25	
4339	**Hexamethylenetetramine** cryst. DAB 7, BPC 1959, Cod Franç 1949, JP VI, NF XII $C_6H_{12}N_4$ MW 140.19	1.3		1 kg 5 kg 9051/50 kg	6.30 22.—	3.30
4341	**Hexamethylenetetramine** beads DAB 7, BPC 1959, Cod Franç 1949, JP VI, NF XI $C_6H_{12}N_4$ MW 140.19	1.2		1 kg 5 kg 9051/50 kg	7.10 26.25	4.15
4338	**Hexamethylenetetrammonium mandelate** $C_{14}H_{20}N_4O_3$ MW 292.34	2	P	500 g	26.25	
4307	**Hexamethylenimine** for synthesis (ORG) $C_6H_{13}N$ MW 99.18 1 l = 0.88 kg			100 ml	5.25	
4516	**N,N,N,N,N,N-Hexamethylphosphoric triamide** for synthesis (LAB) $C_6H_{18}N_3OP$ MW 179.20 1 l = 1.03 kg			100 ml 500 ml 2½ l	6.30 21.50 95.	
4563	**N,N,N,N,N,N-Hexamethylphosphoric triamide** for spectroscopy **Uvasol** $C_6H_{18}N_3OP$ MW 179.20 1 l = 1.03 kg			250 ml	40.—	

Hexamethylphosphoric triamide-d_{18}
see Octadecadeuterohexamethylphosphoric triamide

Hexamethyl-*p*-rosanilinium chloride see Crystal violet

Hexamethyltetracosane see Squalane

Hexamine see Hexamethylenetetramine

Hexamine methyliodide
see *N*-Methylhexamethylenetetrammonium iodide

Hexanal see Caproaldehyde

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4371	•|•	***n*-Hexane** for pesticide residue analysis C_6H_{14} MW 86.18	1 l = 0.66 kg			
				1 l	17.50	
9687	•|•	***n*-Hexane** reference substance for gas chromatography C_6H_{14} MW 86.18		5 ml	21.—	
4372	•|•	***n*-Hexane** for spectroscopy **Uvasol**® C_6H_{14} MW 86.18 CERTIFICATE OF GUARANTEE: Suitability for UV spectroscopy (1-cm cell; reference : water) Transmittance at 210 nm . . . . . min. 60% 220 nm . . . . . min. 80% 230 nm . . . . . min. 94% 250 nm . . . . . 100% Suitability for IR spectroscopy passes test	1 l = 0.66 kg	500 ml 1 l 2½ l	14.— 25.50 60.—	
9688	•|•	***n*-Hexane** for synthesis (LAB) C_6H_{14} MW 86.18 TYPE ANALYSIS: Assay (gas chromatographic) . . . 95% d 20°/4° . . . . . 0.659–0.663 Refractive index ($n_D^{20°}$) . . . . 1.3749–1.3762 Boiling-range . . . . 68–69° C Non-volatile substances . . . . 0.001% Aromatic substances 0.05 % Water (acc. to Karl Fischer) . . . 0.02 %	1 l = 0.66 kg	1 l 2½ l standard box 15 x 1 l 8 x 15 x 1 l 8 x 2½ l 8 x 8 x 2½ l	13.50 27.50 1 l 12.80 1 l 12.50 2½ l 26.— 2½ l 25.25	
4368	•|•	***n*-Hexane** pure C_6H_{14} MW 86.18	1 l = 0.66 kg	500 ml 1 l 2½ l	5.25 9.— 20.—	
		Hexanediamide see Adipamide				
		Hexanedinitrile see Adiponitrile				
		Hexanedioic acid see Adipic acid				
4308		**1,6-Hexanediol** for synthesis (ORG) $C_6H_{14}O_2$ MW 118.18	2	1 kg	12.25	
4320		**2,5-Hexanediol** for synthesis (ORG) $C_6H_{14}O_2$ MW 118.18	1 l = 0.96 kg	500 ml	13.75	
		Hexanedioyl dichloride see Adipoyl dichloride				
		Hexanenitrile see Capronitrile				

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	1,2,6-Hexanetriol for synthesis (ORG) $C_6H_{14}O_3$ MW 134.18	1 l = 1.10 kg	500 ml	15.75	
	2,2′,4,4′,6,6′-Hexanitrodiphenylamine see Dipicrylamine				
	Hexanoic acid see Caproic acid				
	1-Hexanol for synthesis (LAB) $C_6H_{14}O$ MW 102.18	1 l = 0.82 kg	1 l 2½ l	6.80 15.25	
4394	**2-Hexanol** for synthesis (ORG) $C_6H_{14}O$ MW 102.18	1 l = 0.81 kg	10 ml	6.60	
4395	**3-Hexanol** for synthesis (ORG) $C_6H_{14}O$ MW 102.18	1 l = 0.82 kg	100 ml	21.—	
4396	**2-Hexanone** for synthesis (ORG) $C_6H_{12}O$ MW 100.16	1 l = 0.82 kg	100 ml		
4533	**3-Hexanone** for synthesis (ORG) $C_6H_{12}O$ MW 100.16	1 l = 0.82 kg	25 ml		
	Hexanonitrile see Capronitrile				
	n-Hexyl alcohol see 1-Hexanol				
	iso-Hexyl alcohol see 2-Ethyl-1-butanol				
4326	**Hexylamine** for synthesis (ORG) $C_6H_{15}N$ MW 101.19	1 l = 0.76 kg	250 ml	9.50	
	Hexyl bromide see Bromohexane				
4562	***N*-(4-Hexyloxybenzylidene)-*p*-toluidine Licristal®** $C_{20}H_{25}NO$ MW 295.43	2	**5 g** **25 g** **100 g**	7.— 22.— 75.—	
4315	**3-Hexyloxy-1-propylamine** for synthesis (ORG) $C_9H_{21}NO$ MW 159.27	1 l = 0.85 kg			
4332	**Hide powder** for determination of tannic acid, slightly chromated		25 g 100 g	7.10 21	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7120	**High vacuum oil KW** light up to 10^{-6} torr diffusion and booster pump fluid 1 l = 0.88 kg		P P	251/250 ml 1001/1 l	21.— 72.—	
7121	**High vacuum oil KW** normal up to 10^{-7} torr diffusion pump fluid 1 l = 0.88 kg		P P	251/250 ml 1001/1 l	25.75 90.—	
7123	**High vacuum oil KW** ultra up to 10^{-8} torr diffusion pump fluid 1 l = 0.88 kg		P P	101/100 ml 501/500 ml	20.50 87.—	
296	**Hippuric acid** cryst. (LAB) $C_9H_9NO_3$ MW 179.18 TYPE ANALYSIS: Assay (acidimetric) 99% Melting-range . . about 190° C Chloride (Cl) . . . 0.01% Sulfated ash . . . . . 0.1% Loss on drying (105°C) . 0.5%	1.6	P □	100 g 250 g 1 kg 25 kg	6.30 13.75 45.25 	 36.75
4383	N^{α}-**Hippuroyl-L-lysine** for biochemistry (LAB) $C_{15}H_{21}N_3O_4$ MW 307.35	4		1 g	50.—	
4382	N^{α}-**Hippuryl-L-arginine** for biochemistry (LAB) $C_{15}H_{21}N_5O_4$ MW 335.37			0.25 g	10.50	
4384	**Hippuryl-L-phenylalanine** for biochemistry (LAB) $C_{18}H_{18}N_2O_4$ MW 326.36	4	P	5 g	13.25	
4370	**Histamine dihydrochloride** DAB 7, Cod Franç 1965 $C_5H_{11}Cl_2N_3$ MW 184.07 TYPE ANALYSIS: Assay (perchloric acid titration; on dried substance) . . . 99% Melting-range . . . 242–250° C Sulfate (SO_4) . . . 0.01% Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.001% Sulfated ash . . . . . 0.1 % Loss on drying (105°C) 0.5 % Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.5	P P	5 g 100 g	9.— 147.—	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4351	L(−)**Histidine** for biochemistry (LAB) $C_6H_9N_3O_2$ MW 155.16 TYPE ANALYSIS: Assay (perchloric acid titration; on dried substance) . . . 99% Melting-range . . . 270–280° C Specific rotation ($[\alpha]_D^{20°}$; c = 1, 1N HCl) +11.5° to +12° Chloride (Cl) . . . . 0.01 % Sulfate (SO_4) . . . . 0.005% Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.001% Ammonium (NH_4) . . 0.001% Sulfated ash . . . . . 0.1 % Water (acc. to Karl Fischer) . . . . 1 %	2.5		25 g 100 g 1 kg	9.25 28.50 price on application	
4353	L-**Histidine methyl ester dihydrochloride** for synthesis (LAB) $C_7H_{13}Cl_2N_3O_2$ MW 242.11	2	P	5 g	13.25	
4350	L-**Histidine monohydrochloride** for biochemistry (LAB) $C_6H_{10}ClN_3O_2 \cdot H_2O$ MW 209.63 TYPE ANALYSIS: Assay (perchloric acid titration; on dried substance) . . . 99% Melting-range . . . 245–255° C Specific rotation ($[\alpha]_D^{25°}$; c = 2.4, 1N HCl) . . +9.7 to +11.2° Sulfate (SO_4) . . . . 0.005 % Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.0005% Ammonium (NH_4) . . 0.0005% Sulfated ash . . . . 0.1 % Loss on drying (105° C) . . . . . 0.2 % (130° C) . . . . . 8–9 %	1.5	P	25 g 100 g 1 kg	6.30 19.50 price on application	
4354	L-**Histidine monohydrochloride** $C_6H_{10}ClN_3O_2 \cdot H_2O$ MW 209.63	1.3	P	100 g 500 g	15.75 63.—	

Histocell see Cedukol®

Homatropine methylbromide
see *N*-Methylhomatropinium bromide

Homatropine methylnitrate
see *N*-Methylhomatropinium nitrate

4346	**Homatropinium bromide** cryst. DAB 7, BP 1958, JP VI, Ph Internat I, USP XVII $C_{16}H_{22}BrNO_3$ MW 356.27	1.5	P	5 g 100 g	3.— 43.—	

Homoveratric acid see 3,4-Dimethoxyphenylacetic acid

Homoveratrylamine see 3,4-Dimethoxyphenethylamine

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packir Prices per kg DM
4355	**Hordeninium sulfate** $C_{20}H_{32}N_2O_6S \cdot 2\,H_2O$ MW 464.58 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2.1	P	**10 g** **100 g**	6.60 53.—	
	Horne's compound see Lead(II) hydroxide acetate					
24021	**Hyaluronic acid** (from vitreous humour) for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.			50 mg	70.	
4508	**Hyaluronidase** 250 USP-units/mg for biochemistry (LAB)			1 g	40.—	
4511	**Hydantoine** for synthesis (LAB) $C_3H_4N_2O_2$ MW 100.08			100 g	16.—	
4505	**Hydrastininium chloride** cryst. DAB 6, Cod Franç 1949 $C_{11}H_{12}ClNO_2$ MW 225.68	2.5		**5 g**	12.—	
	Hydrazine dihydrochloride see Hydrazinium dichloride					
	Hydrazine hydrate see Hydrazinium hydroxide					
4601	**Hydrazinium dichloride** $N_2H_4 \cdot 2\,HCl$ MW 104.97	1.4	P	**100 g** **1 kg** **5 kg**	5.— 35.75 150.—	
4606	**Hydrazinium hydroxide** about 24% N_2H_5OH **Suprapur** N_2H_5OH MW 50.06 1 l = 1.01 kg CERTIFICATE OF GUARANTEE: Lead (Pb) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Copper (Cu) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Nickel (Ni) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Cobalt (Co) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Zinc (Zn) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Iron (Fe) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Aluminium (Al) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Manganese (Mn) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Thallium (Tl) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Magnesium (Mg) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Calcium (Ca) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Strontium (Sr) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Barium (Ba) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Lithium (Li) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Sodium (Na) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Potassium (K) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm)			100 ml 1 l	11.50 72.	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4600	**Hydrazinium hydroxide** about 24% N_2H_5OH N_2H_5OH MW 50.06	1 l = 1.01 kg	P	**500 ml** 5.25 **1 l** 8.50 **5 l** 34.25	
4604	**Hydrazinium hydroxide** about 60% N_2H_5OH for synthesis (LAB) N_2H_5OH MW 50.06	1 l = 1.03 kg	P	250 ml 8.— 1 l 24.25	
4608	**Hydrazinium hydroxide** about 100% N_2H_5OH for synthesis (LAB) N_2H_5OH MW 50.06	1 l = 1.03 kg	P	250 ml 10.50	
4605	**Hydrazinium monobromide** N_2H_5Br MW 112.96		P	**250 g** 9.50 **1 kg** 30.—	
4603	**Hydrazinium sulfate** GR $N_2H_4 \cdot H_2SO_4$ MW 130.12 CERTIFICATE OF GUARANTEE: Assay of $N_2H_4 \cdot H_2SO_4$ . . . . min. 99% Substances insoluble in water max. 0.005 % Chloride (Cl) . . max. 0.0005% Residue on ignition (as sulfates) . . max. 0.05 % Heavy metals (as Pb) . . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Ammonium (NH_4) . . . . . max. 0.04 %	1.1	P	100 g 5.— 250 g 9.75 1 kg 31.50	
4602	**Hydrazinium sulfate** $N_2H_4 \cdot H_2SO_4$ MW 130.12	1	P	**250 g** 7.50 **1 kg** 22.— **5 kg** 95.—	
	Hydrazinium sulfate-d_6 see *hexa*-Deuterohydrazinium sulfate				
4527	**2-Hydrazono-2,3-dihydro-3-methylbenzothiazole hydrochloride** GR $C_8H_{10}ClN_3S$ MW 215.71	2		10 g 16.75 25 g 39.50	
4510	**Hydrindantine** (dihydrate) for determination of amino acids $C_{18}H_{10}O_6 \cdot 2\,H_2O$ MW 358.31	3		5 g 7. 25 g 28.25	

	Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packin Prices per kg DM
347 Hydriodic acid min. 56% (about 1.70) **Suprapur**			
HI MW 127.91	1 l = 1.70 kg	25 ml 10.50 100 ml 31.50	

CERTIFICATE OF GUARANTEE:

Assay	min. 56%
Phosphate (PO_4)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Lead (Pb)	max. $2 \cdot 10^{-6}$ % (0.02 ppm)
Copper (Cu)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Nickel (Ni)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Cobalt (Co)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Iron (Fe)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Zinc (Zn)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Aluminium (Al)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Manganese (Mn)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Thallium (Tl)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Magnesium (Mg)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Calcium (Ca)	max. $3 \cdot 10^{-5}$ % (0.3 ppm)
Lithium (Li)	max. $5 \cdot 10^{-5}$ % (0.5 ppm)
Sodium (Na)	max. $1 \cdot 10^{-4}$ % (1 ppm)
Potassium (K)	max. $5 \cdot 10^{-4}$ % (5 ppm)

344 Hydriodic acid min. 57% (about 1.70) GR		
HI MW 127.91	1 l = 1.70 kg	50 ml 6.60 250 ml 25.25 1 l 87.—

CERTIFICATE OF GUARANTEE:

Assay of HI	min. 57%	Iron (Fe)	max. 0.0002 %
Chloride and bromide (as Cl)	max. 0.01 %	Zinc (Zn)	max. 0.00005%
Sulfate (SO_4)	max. 0.002%	Cadmium (Cd)	max. 0.00005%
Phosphorus compounds (as PO_4)	max. 0.001%	Arsenic (As)	max. 0.0001 %
Lead (Pb)	max. 0.00005%	Alkoxy groups	passes test
Copper (Cu)	max. 0.00005%	Residue on ignition (as sulfates)	max. 0.01 %

341 Hydriodic acid min. 57% (about 1.70)		
HI MW 127.91	1 l = 1.70 kg	100 ml 7.— 500 ml 26.25

345 Hydriodic acid min. 67% (about 1.97) GR		
HI MW 127.91	1 l = 1.97 kg	50 ml 9. 250 ml 36.75

CERTIFICATE OF GUARANTEE:

Assay of HI	min. 67%	Copper (Cu)	max. 0.00005%
Cloride and bromide (as Cl)	max. 0.02 %	Iron (Fe)	max. 0.0002 %
Sulfate (SO_4)	max. 0.002 %	Zinc (Zn)	max. 0.00005%
Phosphorus compounds (as PO_4)	max. 0.001 %	Cadmium (Cd)	max. 0.00005%
Lead (Pb)	max. 0.00005%	Arsenic (As)	max. 0.0001 %
		Alkoxy groups	passes test
		Residue on ignition (as sulfates)	max. 0.01 %

	Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
306 Hydrobromic acid min. 47% (1.49) **Suprapur**			
HBr MW 80.92	1 l = 1.49 kg		
250 ml		23.75	

CERTIFICATE OF GUARANTEE:

Assay	min. 47%
Sulfate (SO_4)	max. $5 \cdot 10^{-4}$ % (5 ppm)
Phosphate (PO_4)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Lead (Pb)	max. $5 \cdot 10^{-7}$ % (0.005 ppm)
Copper (Cu)	max. $5 \cdot 10^{-7}$ % (0.005 ppm)
Nickel (Ni)	max. $5 \cdot 10^{-7}$ % (0.005 ppm)
Cobalt (Co)	max. $5 \cdot 10^{-7}$ % (0.005 ppm)
Iron (Fe)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Zinc (Zn)	max. $5 \cdot 10^{-7}$ % (0.005 ppm)
Aluminium (Al)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Manganese (Mn)	max. $5 \cdot 10^{-7}$ % (0.005 ppm)
Cadmium (Cd)	max. $5 \cdot 10^{-7}$ % (0.005 ppm)
Thallium (Tl)	max. $5 \cdot 10^{-7}$ % (0.005 ppm)
Barium (Ba)	max. $6 \cdot 10^{-5}$ % (0.6 ppm)
Strontium (Sr)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Calcium (Ca)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Magnesium (Mg)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Sodium (Na)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Potassium (K)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)

307 Hydrobromic acid min. 48% (about 1.50) GR			
HBr MW 80.92	1 l = 1.50 kg		
250 ml		7.50	
500 ml		12.—	
1 l		22.—	
50 kg			10.50

CERTIFICATE OF GUARANTEE:

Assay of HBr	min. 48%	Copper (Cu)	max. 0.00005%
Chloride (Cl)	max. 0.02 %	Iron (Fe)	max. 0.0001 %
Iodide (I)	max. 0.002 %	Zinc (Zn)	max. 0.00005%
Sulfate, sulfite (as SO_4)	max. 0.003 %	Cadmium (Cd)	max. 0.00005%
		Arsenic (As)	max. 0.00005%
Phosphate, phosphite (as PO_4)	max. 0.0002 %	Residue on ignition (as sulfates)	max. 0.002 %
Lead (Pb)	max. 0.00005%		

304 Hydrobromic acid min. 48% (about 1.50)			
HBr MW 80.92	1 l = 1.50 kg		
500 ml		9.50	
2½ l		35.—	
50 kg			7.50

316 Hydrochloric acid min. 25% (about 1.125) GR			
HCl MW 36.46	1 l = 1.12 kg		
1 l		4.50	
2½ l		8.50	
standard box			
30 x 1 l	1 l	4.25	
4 x 30 x 1 l	1 l	4.10	
8 x 2½ l	2½ l	8.—	
8 x 8 x 2½ l	2½ l	7.75	
55 kg			1.75
5 x 55 kg			1.65

CERTIFICATE OF GUARANTEE:

Assay of HCl	min. 25%	Cadmium (Cd)	max. 0.000001%
Sulfate (SO_4)	max. 0.0001 %	Iron (Fe)	max. 0.00003 %
Sulfite (SO_3)	max. 0.0002 %	Ammonium (NH_4)	max. 0.0001 %
Free chlorine (Cl)	max. 0.00005 %	Arsenic (As)	max. 0.000003%
Lead (Pb)	max. 0.000005%	Residue on ignition (as sulfates)	max. 0.0005 %
Copper (Cu)	max. 0.000005%		
Zinc (Zn)	max. 0.000005%		

Volume

		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM

312 •|• **Hydrochloric acid** about 25%, pure DAB 6, Ph Ned VI
HCl MW 36.46 1 l = 1.12 kg

1 l	4.—	
2½ l	7.50	
55 kg		1.50
5 x 55 kg		1.40

318 •|• **Hydrochloric acid** min. 30% (about 1.15) **Suprapur**®
HCl MW 36.46 1 l = 1.15 kg

251/250 ml	10.50

CERTIFICATE OF GUARANTEE:

Assay (acidimetric)	min. 30%
Lead (Pb)	max. $5 \cdot 10^{-7}$ % (0.005 ppm)
Copper (Cu)	max. $5 \cdot 10^{-7}$ % (0.005 ppm)
Cobalt (Co)	max. $5 \cdot 10^{-7}$ % (0.005 ppm)
Nickel (Ni)	max. $5 \cdot 10^{-7}$ % (0.005 ppm)
Zinc (Zn)	max. $5 \cdot 10^{-7}$ % (0.005 ppm)
Iron (Fe)	max. $2 \cdot 10^{-6}$ % (0.02 ppm)
Aluminium (Al)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Arsenic (As)	max. $5 \cdot 10^{-7}$ % (0.005 ppm)
Calcium (Ca)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Sodium (Na)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Potassium (K)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)

319 •|• **Hydrochloric acid** min. 32% (about 1.16) GR
HCl MW 36.46 1 l = 1.16 kg

1 l		4.50	
2½ l		8.50	
standard box			
30 x 1 l	1 l	4.25	
4 x 30 x 1 l	1 l	4.10	
8 x 2½ l	2½ l	8.—	
8 x 8 x 2½ l	2½ l	7.75	
55 kg			1.75
5 x 55 kg			1.65

CERTIFICATE OF GUARANTEE:

Assay of HCl	min. 32%	Cadmium (Cd)	max. 0.000001%
Sulfate (SO_4)	max. 0.0001 %	Iron (Fe)	max. 0.00005 %
Sulfite (SO_3)	max. 0.0002 %	Ammonium (NH_4)	max. 0.0001 %
Free chlorine (Cl)	max. 0.00005 %	Arsenic (As)	max. 0.000005%
Lead (Pb)	max. 0.000005%	Residue on ignition (as sulfates)	max. 0.0005 %
Copper (Cu)	max. 0.000005%		
Zinc (Zn)	max. 0.00001 %		

322 •|• **Hydrochloric acid** min. 32% (about 1.16) **Selectipur**®
HCl MW 36.46 1 l = 1.16 kg

2½ l	prices on application
55 kg	

313 •|• **Hydrochloric acid** about 32% (about 1.16) pure
HCl MW 36.46 1 l = 1.16 kg

2½ l		7.50	
standard box			
8 x 2½ l	2½ l	7.—	
8 x 8 x 2½ l	2½ l	6.75	
55 kg			1.50
5 x 55 kg			1.40

TYPE ANALYSIS:

Assay of HCl (acidimetric)	abt. 32%	Free chlorine (Cl)	0.0001%
Sulfate (SO_4)	0.0005%	Heavy metals (as Pb)	0.0005%
Sulfite (SO_3)	0.001 %	Iron (Fe)	0.0002%
		Arsenic (As)	0.0001%

	Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
320 •|• **Hydrochloric acid** fuming about 36% (about 1.18) pure BP 1968, USP XVII HCl MW 36.46 1 l = 1.18 kg TYPE ANALYSIS: Assay (acidimetric) about 36%; Sulfate (SO_4) . . . 0.0005%; Sulfite (SO_3) . . . 0.001 %; Free chlorine (Cl) . 0.0001%; Heavy metals (as Pb) 0.0005%; Iron (Fe) . . . . . 0.0002%; Arsenic (As) 0.0001%	2½ l 55 kg 5 x 55 kg	7.50	 1.50 1.40
317 •|• **Hydrochloric acid** fuming min. 37% (about 1.19) GR HCl MW 36.46 1 l = 1.19 kg CERTIFICATE OF GUARANTEE: Assay of HCl . min. 37%; Sulfate (SO_4) . max. 0.0001 %; Sulfite (SO_3) . max. 0.0002 %; Free chlorine (Cl) . . . . max. 0.00005 %; Lead (Pb) . . max. 0.000005%; Copper (Cu) max. 0.000005%; Zinc (Zn) . . max. 0.00001 %; Cadmium (Cd) max. 0.000001%; Iron (Fe) . . . max. 0.00005 %; Ammonium (NH_4) . . . . max. 0.0001 %; Arsenic (As) . max. 0.000005%; Residue on ignition (as sulfates) . max. 0.0005 %	1 l 2½ l standard box 30 x 1 l 4 x 30 x 1 l 8 x 2½ l 8 x 8 x 2½ l 55 kg 5 x 55 kg	4.50 8.50 1 l 4.25 1 l 4.10 2½ l 8. 2½ l 7.75	 1.75 1.65
321 •|• **Hydrochloric acid** fuming min. 37% (about 1.19) **Selectipur®** HCl MW 36.46 1 l = 1.19 kg	2½ l 55 kg	prices on application	
314 •|• **Hydrochloric acid** fuming min. 37% (about 1.19) pure HCl MW 36.46 1 l = 1.19 kg TYPE ANALYSIS: Assay of HCl (acidimetric) . . . 37 %; Sulfate (SO_4) . . . . 0.0005%; Sulfite (SO_3) . . . 0.001 %; Free chlorine (Cl) . 0.0001%; Heavy metals (as Pb) 0.0005%; Iron (Fe) . . . . . 0.0002%; Arsenic (As) 0.0001%	1 l 2½ l standard box 30 x 1 l 4 x 30 x 1 l 8 x 2½ l 8 x 8 x 2½ l 55 kg 5 x 55 kg	4.— 7.50 1 l 3.75 1 l 3.65 2½ l 7.10 2½ l 6.90	 1.50 1.40
9970.0001 •|• **1 N Hydrochloric acid Titrisol®** (DBP No. 971 376) concentrated solution for preparation of 1 litre of 1 N solution	ampoule	4.75	
9971.0001 **0.5 N Hydrochloric acid Titrisol®** (DBP No. 971 376) concentrated solution for preparation of 1 litre of 0.5 N solution	ampoule	4.25	
9973.0001 **0.1 N Hydrochloric acid Titrisol®** (DBP No. 971 376) concentrated solution for preparation of 1 litre of 0.1 N solution	ampoule	3.50	
9974.0001 **0.01 N Hydrochloric acid Titrisol®** (DBP No. 971 376) concentrated solution for preparation of 1 litre of 0.01 N solution	ampoule	3.50	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
		Hydrochloric acid-d see Deuterohydrochloric acid				
327		**Hydrochloric acid in ethanol** [cont. 3% hydrochloric acid (25%)] for microscopy 1 l = 0.89 kg		P 250 ml 1 l 5 l	4.25 9.50 36.75	
4542		**Hydrocinnamaldehyde** for synthesis (ORG) $C_9H_{10}O$ MW 134.18 1 l = 1.01 kg		100 ml	15.—	
4543		**Hydrocinnamic acid** for synthesis (ORG) $C_9H_{10}O_2$ MW 150.18		P 100 g	13.50	
8963		**Hydrocortisone** (11β,17α,21-trihydroxy-4-pregnene-3,20-dione) for biochemistry (LAB) $C_{21}H_{30}O_5$ MW 362.47	3	0.1 g 1 g	5.25 23.75	
500639		**Hydrocortisone** (11β,17α,21-trihydroxy-4-pregnene-3,20-dione) BP 1968, USP XVII $C_{21}H_{30}O_5$ MW 362.47	3	100 g 250 g 1 kg	212.50 500.— 2000.—	
500621		**Hydrocortisone acetate** (21-acetoxy-11β,17α-dihydroxy-4-pregnene-3,20-dione) BP 1968, USP XVII $C_{23}H_{32}O_6$ MW 404.51	3	100 g 250 g 1 kg	212.50 500.— 2000.—	
335		**Hydrofluoric acid** min. 40% **Suprapur**® HF MW 20.01 1 l = 1.13 kg CERTIFICATE OF GUARANTEE: Assay of HF (acidimetric) . . . . . min. 40% Chloride (Cl) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Lead (Pb) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Copper (Cu) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Iron (Fe) . . . . . max. $2 \cdot 10^{-6}$ % (0.02 ppm) Silver (Ag) . . . . . max. $1 \cdot 10^{-8}$ % (0.0001 ppm) Magnesium (Mg) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm)		P 1 l plastic carboy 10 kg	26.25	15.25

		Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
338	**Hydrofluoric acid** min. 40% GR HF MW 20.01 CERTIFICATE OF GUARANTEE: Assay of HF . . min. 40% Chloride (Cl) . max. 0.0005 % Sulfate (SO_4) . max. 0.0005 % Sulfite (SO_3) . max. 0.0005 % Phosphate (PO_4) max. 0.0001 % Hexafluorosilicate (SiF_6) . . . . max. 0.005 % Lead (Pb) . . . max. 0.00005% Copper (Cu) . max. 0.00001% Nickel (Ni) . . max. 0.00001% Iron (Fe) . . . max. 0.00005% Zinc (Zn) . . . . max. 0.00001% Cadmium (Cd) . max. 0.00001% Residue on ignition (as sulfates) . max. 0.0005 %	1 l = 1.13 kg		
	500 ml		6.50	
	1 l		11.—	
	5 l		45.—	
	standard box			
	20 x 1 l	1 l	10.—	
	[illegible]	1 l	9.25	
	8 x 5 l	5 l	40.—	
	4 x 8 x 5 l	5 l	37.—	
337	**Hydrofluoric acid** 38–40% extra pure HF MW 20.01 TYPE ANALYSIS: Assay of HF (acidimetric) . . . 38–40% Chloride (Cl) . . . . 0.002 % Sulfate (SO_4) . . . . 0.001 % Sulfite (SO_3) . . . . 0.002 % Heavy metals (as Pb) 0.0005% Iron (Fe) . . . . . 0.001 % Hexafluorosilicate (SiF_6) . . . . . 0.01 % Residue on ignition (as sulfates) . . . . 0.002 %	1 l = 1.13 kg		
	500 ml		5.50	
	1 l		9.—	
	5 l		35.—	
	standard box			
	20 x 1 l	1 l	8.—	
	4 x 20 x 1 l	1 l	7.50	
	8 x 5 l	5 l	31.25	
	4 x 8 x 5 l	5 l	28.75	
329	**Hydrofluoric acid** 38–40% technical HF MW 20.01	1 l = 1.13 kg		
	1 l		7.—	
	5 l		25.—	
	standard box			
	8 x 5 l	5 l	22.50	
	4 x 8 x 5 l	5 l	20.50	
334	**Hydrofluoric acid** min. 48% GR HF MW 20.01 CERTIFICATE OF GUARANTEE: Assay of HF . . min. 48% Chloride (Cl) . . max. 0.0005 % Sulfate (SO_4) . max. 0.0005 % Sulfite (SO_3) . . max. 0.0005 % Phosphate (PO_4) max. 0.0001 % Hexafluorosilicate (SiF_6) . . . . max. 0.005 % Lead (Pb) . . . max. 0.00005% Copper (Cu) . . max. 0.00001% Nickel (Ni) . . . max. 0.00001% Iron (Fe) . . . . max. 0.00005% Residue on ignition (as sulfates) . max 0.0005 % Zinc (Zn) . . . max. 0.00001% Cadmium (Cd) . max. 0.00001%	1 l = 1.16 kg		
	500 ml		8.—	
	1 l		13.50	
	5 l		50.—	
	standard box			
	20 x 1 l	1 l	12.—	
	4 x 20 x 1 l	1 l	11.—	
	8 x 5 l	5 l	45.—	
	4 x 8 x 5 l	5 l	41.50	
339	**Hydrofluoric acid** min. 40% **Selectipur®** HF MW 20.01	1 l= 1.13 kg		
	1 l 5 l		prices on application	
	standard box			
	20 x 1 l	1 l	prices on application	
	8 x 5 l	5 l		
336	**Hydrofluoric acid** about 50% **Selectipur®** HF MW 20.01	1 l = 1.16 kg		
	1 l 5 l		prices on application	
	standard box			
	20 x 1 l	1 l	prices on application	
	8 x 5 l	5 l		

		Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
171	**Hydrofluoroboric acid** (fluoroboric acid) about 35% HBF_4 MW 87.81	1 l = 1.23 kg	2½ l 16.25 5 l 28.—	
352	**Hydrofluorosilicic acid** (fluorosilicic acid) about 31% (1.29) GR $H_2[SiF_6]$ MW 144.09 CERTIFICATE OF GUARANTEE: Assay of H_2SiF_6 . min. 30% Chloride (Cl) . . max. 0.001 % Sulfate (SO_4) . . max. 0.002 % Lead (Pb) . . . . max. 0.003 % Copper (Cu) . . max. 0.0005% Iron (Fe) . . . . max. 0.005 % Zinc (Zn) . . . . max. 0.0005% Cadmium (Cd) . max. 0.0005% Residue on ignition (as sulfates) . . max. 0.1 %	1 l = 1.29 kg	1 l 11.50	
350	**Hydrofluorosilicic acid** (fluorosilic acid) about 31% (1.29) $H_2[SiF_6]$ MW 144.09	1 l = 1.29 kg	2½ l 15.—	
303	**Hydrogen bromide solution in glacial acetic acid** 40% for synthesis (LAB)	1 l = 1.46 kg	250 ml 12 1 l 40.—	
8599	**Hydrogen peroxide solution** 30% w/w H_2O_2 **Selectipur®** H_2O_2 MW 34.01	1 l = 1.11 kg	1 l price on application	
8597	**Hydrogen peroxide solution** 30% w/w H_2O_2 = 100 vols. of O, for medical purposes, DAB 7 H_2O_2 MW 34.01	1 l = 1.11 kg	1 l 5.25 standard box 20 x 1 l 1 l 4.90 4 x 20 x 1 l 1 l 4.70 9066/65 kg price on application	
8600	**Hydrogen peroxide solution** 35% w/w H_2O_2 = 100 vols. of O, for medical purposes H_2O_2 MW 34.01	1 l = 1.13 kg	1 l 5.80 65 kg price on application	
8556	**Hydrogen peroxide solution** 35% w/w H_2O_2 = 100 vols. of O, technical H_2O_2 MW 34.01		9066/65 kg price on application	

Hydrogen peroxide GR see Perhydrol®

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4610	**Hydroquinone Fotopur®** $C_6H_6O_2$ MW 110.11	1.9	P	250 g	5.80	
				1 kg	17.75	
				5 kg	77.—	
				50 kg	price on application	
4612	**Hydroquinone diethyl ether** for synthesis (ORG) $C_{10}H_{14}O_2$ MW 166.22			100 g	9.50	
4613	**Hydroquinone dimethyl ether** for synthesis (ORG) $C_8H_{10}O_2$ MW 138.17			250 g	[illegible]	
4611	**Hydroquinone monobenzyl ether** for cosmetics $C_{13}H_{12}O_2$ MW 200.24	3.5		100 g	12.50	
				1 kg	100.—	
	Hydroxocobalamin acetate see Aquocobalamin acetate					
71	**o-Hydroxyacetanilide** for synthesis (ORG) $C_8H_9NO_2$ MW 151.17			250 g	17.25	
70	***p*-Hydroxyacetanilide** $C_8H_9NO_2$ MW 151.17	1.7		1 kg	19.—	
				5 kg	84.—	
				50 kg		15.75
	Hydroxyacetic acid see Glycollic acid					
4310	**2-Hydroxyacetophenone** for synthesis (ORG) $C_8H_8O_2$ MW 136.15	1 l = 1.13 kg		100 ml	12.50	
4311	**4-Hydroxyacetophenone** for synthesis (ORG) $C_8H_8O_2$ MW 136.15			100 g	[illegible]	
	3α-Hydroxy-5α-androstan-17-one see Androsterone					
	3β-Hydroxy-5α-androstan-17-one see *epi*-Androsterone					

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	3α-Hydroxy-5β-androstan-17-one see 3α-Etiocholanol-17-one					
	3β-Hydroxy-5β-androstan-17-one see 3β-Etiocholanol-17-one					
	17β-Hydroxy-5α-androstan-3-one see 5α-Dihydrotestosterone					
	17β-Hydroxy-5β-androstan-3-one see 5β-Dihydrotestosterone					
3707	**11β-Hydroxy-4-androstene-3,17-dione** (LAB) $C_{19}H_{26}O_3$ MW 302.42	3		1 g 10 g	53.— 420.—	
	3α-Hydroxy-5-androsten-17-one see Dehydroandrosterone					
	3β-Hydroxy-5-androsten-17-one see Dehydro-*epi*-androsterone					
	17β-Hydroxy-4-androsten-3-one see Testosterone					
	Hydroxyaniline see Aminophenol					
	2-Hydroxy-1,1′-azonaphthalene-3′,4,6′-trisulfonic acid trisodium salt see Hydroxynaphthol blue					
	2-Hydroxybenzaldehyde see Salicylaldehyde					
4535	**3-Hydroxybenzaldehyde** for synthesis (ORG) $C_7H_6O_2$ MW 122.12	3		100 g	24.—	
	Hydroxybenzoic acid see Salicylic acid					
4537	**3-Hydroxybenzoic acid** for synthesis (ORG) $C_7H_6O_3$ MW 138.12	2	P	250 g	25.—	
	4-Hydroxy-2*H*-1-benzopyran-2-one see 4-Hydroxycoumarin					

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
[illegible]	***m*-Hydroxycinnamic acid** for synthesis (ORG) $C_9H_8O_3$ MW 164.16	[illegible]	[illegible]	10 g	21.—	
[illegible]	***o*-Hydroxycinnamic acid** for synthesis (ORG) $C_9H_8O_3$ MW 164.16	[illegible]	[illegible]	10 g	11.50	
[illegible]	***p*-Hydroxycinnamic acid** for synthesis (ORG) $C_9H_8O_3$ MW 164.16	[illegible]	[illegible]	10 g	14.—	
[illegible]	**4-Hydroxycoumarin** for synthesis (ORG) $C_9H_6O_3$ MW 162.15	[illegible]	[illegible]	50 g	14.25	
	2-Hydroxydiethyl sulfide see 2-(Ethylthio)-ethanol					
	8-Hydroxy-5,7-diiodoquinoline see 5,7-Diiodo-8-hydroxyquinoline					
	4-Hydroxydiphenyl see 4-Biphenyl					
	2-(2-Hydroxy-3,6-disulfo-1-naphthylazo)- benzene-arsonic acid sodium salt see Thorin					
	3-Hydroxy-1,3,5(10)-estratrien-17-one see Estrone					
[illegible]	**16α-Hydroxyestrone** for biochemistry (LAB) $C_{18}H_{22}O_3$ MW 286.37	[illegible]	[illegible]	0.1 g	19.—	
	1-(Hydroxyethylamino)-2-propanol see Ethanol-*iso*-propanolamine					
	N-(2-Hydroxyethyl)-aniline see Phenylaminoethanol					
	N-(2-Hydroxyethyl)-*tert*-butylamine see 2-(*tert*-Butylamino)-ethanol					
[illegible]	**2-Hydroxyethyl methacrylate** for synthesis (ORG) stabilised with about 100 ppm hydroquinone and obout 100 ppm hydroquinone monomethyl ether $C_6H_{10}O_3$ MW 130.14 1 l = 1.07 kg	[illegible]	[illegible]	250 ml	11.50	
	2-Hydroxyethyl 2-methylpropenoate see 2-Hydroxyethyl methacrylate					
	Hydroxyethylmethylsulfide see Methylthioethanol					

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
501161	**5-(2-Hydroxyethyl)-4-methylthiazole** C_6H_9NOS MW 143.21	1 l = 1.20 kg		1 l 2½ l 30 kg	105.— 250.— price on application	
	N-(2-Hydroxyethyl)-morpholine see 2-Morpholinoethanol					
	N-(2-Hydroxyethyl)-piperazine see 2-(1-Piperazinyl)-ethanol					
	N-(2-Hydroxyethyl)-piperidine see 2-Piperidinoethanol					
	2-(2-Hydroxyethyl)-pyridine see 2-(2-Pyridyl)-ethanol					
	3β-Hydroxy-5β, 17α-etianic acid see 3β-Hydroxy-5β-etiocholanic acid					
	3β-Hydroxy-5,17α*H*-etienic acid see 3β-Hydroxy-5-etiocholenic acid					
3705	**3β-Hydroxy-5β-etiocholanic acid** (LAB) $C_{20}H_{32}O_3$ MW 320.48	4.5		1 g 10 g	5.— 20.—	
3703	**3β-Hydroxy-5α-etiocholanic acid** (LAB) $C_{20}H_{32}O_3$ MW 320.48			1 g	25.—	
3706	**3β-Hydroxy-5-etiocholenic acid** (3β-hydroxy-5,17α*H*-etienic acid) (LAB) $C_{20}H_{30}O_3$ MW 318.46	3		1 g 10 g	22.50 173.—	
	5-Hydroxy-2-hydroxymethyl-4-pyrone see Kojic acid					
	2-Hydroxy-1-(2-hydroxy-1-naphthylazo)-naphthalene-4-sulfonic acid sodium salt see Calcon®					
	2-Hydroxy-1-(1-hydroxy-2-naphthylazo)-naphthalene-4-sulfonic acid sodium salt see Eriochrome blue-black B					
	2-Hydroxy-1-(1-hydroxy-2-naphthylazo)-6-nitronaphthalene-4-sulfonic acid sodium salt see Eriochrome black T					
	2-Hydroxy-1-(2-hydroxy-4-sulfo-1-naphthylazo)-naphthalene-3-carboxylic acid see Calconcarboxylic acid					
4564	**5-Hydroxyindole-3-acetic acid** for biochemistry (LAB) $C_{10}H_9NO_3$ MW 191.19	3		0.1 g	15.50	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Hydroxylamine salts see Hydroxylammonium salts					
4616	**Hydroxylammonium chloride** GR H_4ClNO MW 69.49 CERTIFICATE OF GUARANTEE: Assay of H_4ClNO min. 99% pH (5% solution) 2.5–3.5 Sulfate (SO_4) . max. 0.002 % Heavy metals (as Pb) . . . . max. 0.001 % Copper (Cu) . . max. 0.001 % Iron (Fe) . . . . max. 0.0005% Arsenic (As) . . max. 0.0005% Ammonium chloride (NH_4Cl) . . . max. 0.1 % Residue on ignition (as sulfates) . max. 0.01 %	1.2		100 g 250 g 1 kg	7.50 14.— 52.—	
4614	**Hydroxylammonium chloride** Erg B 6 H_4ClNO MW 69.49	1.2		100 g 250 g 1 kg 5 kg	6.30 12.50 42.— 184.—	
4615	**Hydroxylammonium chloride** 95–98% technical H_4ClNO MW 69.49	1.1	P	250 g 1 kg 5 kg	11.— 34.75 152.—	
4617	**Hydroxylammonium sulfate** GR $H_8N_2O_6S$ MW 164.14 CERTIFICATE OF GUARANTEE: Assay of $H_8N_2O_6S$. min. 99% Chloride (Cl) . max. 0.001 % Heavy metals (as Pb) . . . max. 0.001 % Copper (Cu) . . max. 0.0005 % Iron (Fe) . . . max. 0.0005 % Arsenic (As) . . max. 0.0005 % Residue on ignition (as sulfates) . max. 0.1 %	1		100 g 500 g	5.— 24.25	
4609	**Hydroxylammonium sulfate** pure $H_8N_2O_6S$ MW 164.14	1.1	P	1 kg 5 kg 50 kg	19.— 85.—	12.50
4556	**2-Hydroxy-5-methoxybenzaldehyde** for synthesis (ORG) $C_8H_8O_3$ MW 152.15 1 l = 1.22 kg			10 ml	32.—	
	2-Hydroxy-3-methoxybenzaldehyde see Vanillin					
	4-Hydroxy-3-methoxybenzoic acid see Vanillic acid					
	N-(4-Hydroxy-3-methoxybenzyl)-8-methyl-*trans*-6-nonenamide see Capsaicin					
4525	**4-Hydroxy-3-methoxymandelic acid** for biochemistry (LAB) $C_9H_{10}O_5$ MW 198.18	2		1 g	23.75	
	17β-Hydroxy-17α-methyl-4-androsten-3-one see 17α-Methyltestosterone					

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
500969	**1-Hydroxy-2-methyl-4-naphthylammonium chloride** (vitamin K_5) $C_{11}H_{12}ClNO$ MW 209.68	3		10 g 100 g 1 kg	prices on application	
4512	**4-Hydroxy-4-methyl-2-pentanone** for synthesis (LAB) $C_6H_{12}O_2$ MW 116.16 1 l = 0.94 kg			1 l	7.50	
	2-[Hydroxymethyl]-phenyl-β-D-glucoside see Salicin					
	3β-Hydroxy-16α-methyl-5-pregnen-20-one see 16α-Methylpregnenolone					
	2-(Hydroxymethyl)-pyridine see 2-Pyridylmethanol					
	3-(Hydroxymethyl)-pyridine see 3-Pyridylmethanol					
4598	**3-Hydroxy-2-naphthalenecarboxamide** for synthesis (ORG) $C_{11}H_9NO_2$ MW 187.19	5		100 g	8.50	
4597	**3-Hydroxy-2-naphthalenecarboxylic acid** for synthesis (ORG) $C_{11}H_8O_3$ MW 188.18			250 g	9.50	
6204	**6-Hydroxy-2-naphthalenesulfonic acid sodium salt** for synthesis (ORG) $C_{10}H_7NaO_4S \cdot 2H_2O$ MW 282.23			250 g	8.50	
	3-Hydroxy-2-naphthoamide see 3-Hydroxy-2-naphthalenecarboxamide					
4593	**Hydroxynaphthol blue** [2-hydroxy-1,1′-azonaphthalene-3′,4,6′-trisulfonic acid trisodium salt] GR metal (pM) indicator $C_{20}H_{11}N_2Na_3O_{11}S_3$ MW 620.48			25 g 100 g	11.– 35.–	
	4-Hydroxy-3-nitrobenzenearsonic acid see 2-Nitrophenol-4-arsonic acid					

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4534	**2-Hydroxy-5-nitrobenzyl bromide** for biochemistry (LAB) $C_7H_6BrNO_3$ MW 232.03	2		5 g	10.—	
	1-Hydroxy-2-(4-nitrophenylazo)-3,8-naphthalenedisulfonic acid disodium salt see Epsilon blue					
4524	**2-Hydroxy-5-nitrophenyl hydrogen sulfate dipotassium salt** (monohydrate) for biochemistry (LAB) $C_6H_5K_2NO_8S$ MW 329.38	2		1 g	13.25	
	2-Hydroxy-1-nitroso-3,6-naphthalenedisulfonic acid disodium salt see Nitroso R salt					
	2-Hydroxy-1,2,3-nonadecanetricarboxylic acid see Agaricic acid					
	3β-Hydroxy-16α,17α-oxido-16β-methyl-5-pregnen-20-one see 16α,17α-Epoxy-16β-methylpregnenolone					
	3β-Hydroxy-16α,17α-oxido-5-pregnen-20-one see 16α,17α-Epoxypregnenolone					
	4-Hydroxyphenethylammonium chloride see Tyraminium chloride					
	DL-α-Hydroxyphenylacetic acid see DL-Mandelic acid					
	4-Hydroxyphenylalanine see L(—)Tyrosine					
3019	**4-Hydroxy-*m*-phenylenediammonium dichloride** cryst. $C_6H_{10}Cl_2N_2O$ MW 197.07	1.3		**100 g** **250 g** **1 kg**	11.— 24.25 84.—	
	dl-3-Hydroxy-2-phenylpropionic acid see *dl*-Tropic acid					
4528	***N*-Hydroxyphthalimide** for synthesis (LAB) $C_8H_5NO_3$ MW 163.13	5		100 g	12.50	
4513	**1-Hydroxypiperidine** for synthesis (LAB) $C_5H_{11}NO$ MW 101.15	2		10 g	22.50	
3708	**21-Hydroxy-5β-pregnane-3,20-dione** (LAB) $C_{21}H_{32}O_3$ MW 332.49	3				
8982	**20β-Hydroxy-4-pregnen-3-one** for biochemistry (LAB) $C_{21}H_{32}O_2$ MW 316.49	3		0.1 g		

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	17α-Hydroxy-4-pregnene-3,20-dione see 17α-Hydroxyprogesterone					
	21-Hydroxy-4-pregnene-3,20-dione see 11-Deoxycorticosterone					
	21-Hydroxy-4-pregnene-3,11,20-trione see 11-Dehydrocorticosterone					
	3β-Hydroxy-5-pregnen-20-one see Pregnenolone					
3709	**17α-Hydroxyprogesterone** (17α-hydroxy-4-pregnene-3,20-dione) (LAB) $C_{21}H_{30}O_3$ MW 330.47	2.5		10 g 100 g	16.25 131.	
4506	L(−)**Hydroxyproline** for biochemistry (LAB) $C_5H_9NO_3$ MW 131.13 TYPE ANALYSIS: Assay (perchloric acid titration; on dried substance) . . . 99% Melting-range . . . 270–280° C Specific rotation ($[\alpha]_D^{20}$°; c = 5, 1N HCl) . . . −46° to −47° Chloride (Cl) . . . . 0.01 % Sulfate (SO_4) . . . . 0.01 % Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.001 % Ammonium (NH_4) . . 0.0005% Sulfated ash . . . . . 0.1 % Water (acc. to Karl Fischer) . . . 0.5 %	1.5		1 g 5 g 25 g 1 kg	4.25 11. 48.25 price on application	
4529	**4-Hydroxy-L-proline methyl ester hydrochloride** for synthesis (LAB) $C_6H_{12}ClNO_3$ MW 181.62			5 g	17.25	
	2-Hydroxypropylamine see 1-Amino-2-propanol					
	N-(2-Hydroxypropyl)-*N*,*N*-dimethylamine see 1-(Dimethylamino)-2-propanol					
610	**2-Hydroxypropyl methacrylate** for synthesis (ORG) stabilised with 100 ppm each of hydroquinone and hydroquinone monomethylether $C_7H_{12}O_3$ MW 144.17 1 l = 1.03 kg			250 ml 1 l	7.50 22.50	
	N-(2-Hydroxypropyl)-morpholine see 1-Morpholino-2-propanol					

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	1-(2-Hydroxypropyl)-piperazine see 1-(1-Piperazinyl)-2-propanol					
	Hydroxypyridine see Pyridinol					
7098	**8-Hydroxyquinoline** GR C_9H_7NO MW 145.16 CERTIFICATE OF GUARANTEE: Assay (perchloric acid titration) . . . min. 99% Melting-point . . . 74–76° C Chloride (Cl) . . max. 0.001% Sulfate (SO_4) . . max. 0.01 % Sulfated ash . . max. 0.05 %	2.5		25 g 100 g 250 g	4.25 10.25 22.50	
7099	**8-Hydroxyquinoline** standard for elementary analysis C_9H_7NO MW 145.16 CERTIFICATE OF GUARANTEE: Carbon (C) . . . . . 74.5% Hydrogen (H) . . . . . 4.9% Nitrogen (N) . . . . . 9.6% Oxygen (O) . . . . . 11.0% Suitable for determination of C, H, N, O.	2.5		5 g	7.—	
7097	**8-Hydroxyquinolinium potassium sulfate** $C_9H_8KNO_5S$ MW 281.33	2		100 g 1 kg 5 kg 50 kg	4.25 29.— 131.—	23.75
7095	**8-Hydroxyquinolinium sulfate** $C_{18}H_{16}N_2O_6S$ MW 388.40	2		100 g 1 kg 5 kg 50 kg	4.75 33.— 147.—	27.50
505	**8-Hydroxy-5-quinolinesulfonic acid** (dihydrate) $C_9H_7NO_4S \cdot 2\,H_2O$ MW 261.26	2.4		100 g 1 kg 5 kg	4.75 31.50 137.—	
	Hydroxyquinolines see also					
	Chiniofon					
	5-Chloro-8-hydroxy-7-iodoquinoline					
	5,7-Diiodo-8-hydroxyquinoline					
	Hydroxysuccinic acid see DL-Malic acid					

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4518	***N*-Hydroxysuccinimide** for synthesis (LAB) $C_4H_5NO_3$ MW 115.09	2	P	10 g	12.—	
	2-{[α-(2-Hydroxy-5-sulfophenylazo)-benzylidene]-hydrazino}-benzoic acid monosodium salt see Zincon					
	Hydroxytricarballylic acid see Citric acid					
3710	**Hyodeoxycholic acid** (3α,6α-dihydroxy-5β-cholanic acid) (LAB) $C_{24}H_{40}O_4$ MW 392.58	5		10 g 100 g	24.— 200.—	
	Hyoscinium bromide see Scopolaminium bromide					
4620	**l-Hyoscyamine** cryst. extra pure Erg B 6, Cod Franç 1949 $C_{17}H_{23}NO_3$ MW 289.38	6	P	25 g 100 g	19.50 75.—	
4621	**l-Hyoscyaminium bromide** cryst. extra pure NF XII 1st Suppl $C_{17}H_{24}BrNO_3$ MW 370.29 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.8	P	25 g 100 g	18.— 70.—	
4623	**l-Hyoscyaminium sulfate** NF XII, 2. Suppl 1967 $C_{34}H_{48}N_2O_{10}S \cdot 2\,H_2O$ MW 712.86 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2.5	P	25 g 100 g	16.25 62.50	
8010.0001	**Hypnotics** reference substances for chromatography 1 collection cont. 500 mg each of Barbital Luminal® Prominal® Revonal® Thiogenal®			collection	10.—	

		Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4633	**Hypophosphorous acid** 50% GR (reagent for tellurium and iodic acid) H_3PO_2 MW 66.00	1 l = 1.25 kg	100 ml 8.— 500 ml 29.—	

CERTIFICATE OF GUARANTEE:

Assay of H_3PO_2	min. 49.5%	Iron (Fe)	max. 0.005 %
Phosphorous and phosphoric acids (as H_3PO_3)	max. 1.0 %	Manganese (Mn)	max. 0.0005%
		Zinc (Zn)	max. 0.0005%
		Cadmium (Cd)	max. 0.0001%
Chloride (Cl)	max. 0.005 %	Arsenic (As)	max. 0.0005%
Sulfur total (as SO_4)	max. 0.02 %	Barium (Ba)	max. 0.005 %
		Calcium (Ca)	max. 0.005 %
Lead (Pb)	max. 0.0005%	Sodium (Na)	max. 0.001 %
Copper (Cu)	max. 0.0005%	Potassium (K)	max. 0.005 %
Nickel (Ni)	max. 0.0005%		

4517	**Hypoxanthine** for biochemistry (LAB) $C_5H_4N_4O$ MW 136.11		1 g 14.65	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4793	L-**Idonic acid sodium salt** (monohydrate) for biochemistry (LAB) $C_6H_{11}NaO_7 \cdot H_2O$ MW 236.16	2		1 g	13.25	
4716	**Imidazole** GR $C_3H_4N_2$ MW 68.08 CERTIFICATE OF GUARANTEE: Assay (perchloric acid titration) . . . min. 99% pH (5% solution) . 9.5–10.5 Melting-point . . 88–90° C Iron (Fe) . . . . . max. 0.001% Water . . . . . max. 0.5 % Sulfated ash . . max. 0.1 %	1.8		25 g 100 g 250 g	5.-- 13.75 31.--	
4789	**2-Imidazolidinone** for synthesis (ORG) $C_3H_6N_2O$ MW 86.09	1.5		250 g	9.--	
	Iminazole see Imidazole					
	2,2′-Iminobis (ethylamine) see Diethylenetriamine					
	1,1-Iminobis(2-ethylhexane) see Bis(2-ethylhexyl)-amine					
	1,1′-Iminobis(2-propanol) see Di-*iso*-propanolamine					
	3,3′-Iminobis(propylamine) see 4-Azaheptamethylenediamine					
4699	**Immersion oil** for microscopy 1 l = 1.02 kg Refractive index (n_D^{20}°) . . . . about 1.516			100 ml 500 ml	4.75 13.75	
4729	**Immersion oil** for Merckoglas® for microscopy 1 l = 1.08 kg			100 ml	8.—	
	Indantrione hydrate see Ninhydrin					
8370	**Indian ink** acc. to Burri cont. 1% phenol, for microscopy 1 l = 1.06 kg			10 ml	8.—	
8430	**Indicator buffer tablets** for determination of water hardness with Titriplex® solutions		P	500 tablets 1000 tablets	5.80 9.75	
9177	**Indicator solution** pH 0–5 including colour scale 1 l = 0.98 kg		P	100 ml	4.50	
9176	**Indicator solution** pH 9–13 including colour scale 1 l = 0.89 kg		P	100 ml	4.50	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Indicator mixed see Mixed indicator				
	Indicator papers see Special indicator papers and Universal indicator papers				
	Indicator tablets for determination of water hardness see Aquamerck-refill				
	Indicator universal see Universal indicator				
4724	**Indigo carmine** (C. I. No. 73 015, S. No. 1309) GR $C_{16}H_8N_2Na_2O_8S_2$ MW 466.36 CERTIFICATE OF GUARANTEE: Assay (manganometric; on dried substance) min. 95 % Substances insoluble in water max. 0.3% Loss on drying (105° C) . . . . . max. 2 % Sulfated ash 30–35%	1		5 g 100 g	5.— 13.50
447019	**Indigo carmine** for kidney function test (ampoules 0.02 g : 5 ml)			5 ampoules 50 ampoules (10 x 5 ampoules)	2.75 20.50
4730	**Indole** GR C_8H_7N MW 117.15 CERTIFICATE OF GUARANTEE: Assay (ex N) . . min. 99% Melting-point . . 51–53° C Iron (Fe) . . . . max. 0.001% Sulfated ash . . max. 0.1 %	2.7		10 g 100 g	4.75 28.50
	Indole reagent see Kovác's indole reagent				
353	**3-Indoleacetic acid** for biochemistry (LAB) $C_{10}H_9NO_2$ MW 175.19 TYPE ANALYSIS: Assay (acidimetric) 99% Melting-range . . . 167–169° C Heavy metals (as Pb) . . . . . 0.001% Iron (Fe) . . . . . 0.001% Loss on drying (105° C) 0.3 % Sulfated ash . . . . . 0.1 %	1.7		5 g 100 g 1 kg	4.75 58 473

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
354	**3-Indolebutyric acid** for biochemistry (LAB) $C_{12}H_{13}NO_2$ MW 203.24 TYPE ANALYSIS: Assay (ex N) . . . 99% Melting-range . . . 123–125° C Heavy metals (as Pb) . . . . . 0.001% Iron (Fe) . . . . . 0.001% Loss on drying (105°C) 0.3 % Sulfated ash . . . . . 0.1 %	2.1		5 g 100 g 1 kg	5.80 74.— 656.—	
4726	**3-Indolecarbaldehyde** for synthesis (ORG) C_9H_7NO MW 145.16		P	10 g	6.80	
4732	**Indoline** for synthesis (ORG) C_8H_9N MW 119.17 1 l = 1.07 kg			25 ml	12.50	
7055	**2-Indolinone** (Oxindole) technical C_8H_7NO MW 133.15	1.6	P	100 g	35.75	
4802	**3-Indolylacetonitrile** for synthesis (ORG) $C_{10}H_8N_2$ MW 156.19	2		5 g	20.50	
4803	**3-Indol-3-ylacrylic acid** for synthesis (ORG) $C_{11}H_9NO_2$ MW 187.20			1 g	24.—	
	Infusorial earth see Kieselguhr					
4723	**Inosine** for biochemistry (LAB) $C_{10}H_{12}N_4O_5$ MW 268.23		P	5 g	13.25	
4728	*meso*-**Inositol** for bacteriology $C_6H_{12}O_6$ MW 180.16	1.3	P	25 g 100 g	5.50 15.25	
	see also Carbohydrate test leaflets					
4720	*meso*-**Inositol** for biochemistry (LAB) $C_6H_{12}O_6$ MW 180.16	1.6	P	25 g	6.30	
4731	*meso*-**Inositol** NF XII $C_6H_{12}O_6$ MW 180.16	1.6	P	100 g 1 kg 5 kg	12.— 92.50 425.—	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
[illegible]	**Inulin** for biochemistry (LAB) $[C_6H_{10}O_5]x$ TYPE ANALYSIS: Assay . . . . . 90% Specific rotation ($[\alpha]_D^{20°}$; c = 2.5, water) –36° to –40° Fructose . . . . . 0.2% Loss on drying (105°C) . 10 % Sulfated ash . . . . . 0.1% Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.6		25 g 100 g	6.— 18.—	
	see also Carbohydrate test leaflets					
	Invertase see Invertin					
4738	**Invertin** (humectant for confectionery) 1 l = 1.15 kg			250 ml 1 l 2½ l 5 l	9.25 32.— 80.— 145.—	
357	**Iodic acid** cryst. GR HIO_3 MW 175.91 CERTIFICATE OF GUARANTEE: Assay (HIO_3) . . min. 99.5% Residue on ignition (as sulfates) . max. 0.01 % Heavy metals (as Pb) . . . . max. 0.0005% Iron (Fe) . . . . max. 0.001 % Chloride and bromide (as Cl) . . . . max. 0.01 % Iodide (I) . . . max. 0.0005% Sulfate (SO_4) . max. 0.01 %	0.4		25 g 100 g	5.50 15.50	
	Iodic anhydride see *di*-Iodine pentoxide					
114/0001	1/64 N **Iodide iodate solution Titrisol** (DBP No. 971 376) concentrated solution for preparation of 1 litre of 1/64 N solution			ampoule	3.50	
4763	**Iodine Suprapur** I_2 MW 253.81 CERTIFICATE OF GUARANTEE: Lead (Pb) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Copper (Cu) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Nickel (Ni) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Iron (Fe) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Zinc (Zn) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Magnesium (Mg) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Calcium (Ca) . . . . . max. $2 \cdot 10^{-5}$ % (0.2 ppm) Strontium (Sr) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Barium (Ba) . . . . . max. $2 \cdot 10^{-3}$ % (20 ppm) Lithium (Li) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Sodium (Na) . . . . . max. $1 \cdot 10^{-4}$ % (1 ppm) Potassium (K) . . . . . max. $1 \cdot 10^{-4}$ % (1 ppm)	0.6		50 g 500 g	28.25 231.	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packag fob incl. pac Prices per DM
4761		**Iodine** resublimed GR I_2 MW 253.81 CERTIFICATE OF GUARANTEE: Assay of I . . . . . min. 99.5% Chlorine and bromine (as Cl) . . . . max. 0.005% Non-volatile substances . . max. 0.01%	0.6		25 g 100 g 500 g 1 kg	4.75 8.— 30.— 55.—	
4760		**Iodine** resublimed DAB 7, BP 1968, Cod Franç 1965, Ph Internat I, Ph Ned VI, USP XVII I_2 MW 253.81	0.6		100 g 250 g 1 kg 5 kg 50 kg	5.— 9.75 31.25 150.—	price on applicat
4780	•|•	**Iodine solution** 1% in ethanol 1 l = 0.79 kg			500 ml	19.25	
		Iodine solution methanolic see Karl Fischer's solution					
9164	•|• *	**0.2 N Iodine solution** acc. to Hanus			250 ml 1 l	6.— 16.25	
9163	•|• *	**0.2 N Iodine solution** acc. to Wijs			250 ml 1 l	6.— 16.25	
9910'0001		**0.1 N Iodine solution Titrisol®** (DBP No. 971 376) concentrated solution for preparation of 1 litre of 0.1 N solution			ampoule	5.25	
		Iodine chloride see Iodine monochloride					
4771	•|•	**Iodine monochloride** (LAB) ICl MW 162.36 TYPE ANALYSIS: Assay (iodometric) 98% Non-volatile substances 0.2% Melting-point . . . about 26° C	0.3		100 g 250 g	6.30 12.50	
358		*di*-**Iodine pentoxide** granular 0.5–2.5 mm GR I_2O_5 MW 333.81	0.5		100 g 1 kg	24.— 200.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
359	***di*-Iodine pentoxide** granular for flue gas analysis I_2O_5 MW 333.81 CERTIFICATE OF GUARANTEE: Assay of I_2O_5 . . min. 99% Heavy metals (as Pb) . . . . max. 0.001% Iron (Fe) . . . . max. 0.001% Loss on drying (200° C) . . . . max. 1 % Residue on ignition (as sulfates) . . max. 0.02 %	0.5	25 g 100 g 1 kg	7.60 24.— 200.—	
	Iodine-potassium iodide solution see Lugol's solution				
4772 •I•	**Iodine trichloride** Erg B 6 (LAB) ICl_3 MW 233.26 TYPE ANALYSIS: Assay (iodometric) . . . 97 % Non-volatile substances . 0.2%	0.6	25 g 100 g	4.25 10.—	
4744	**2-Iodoacetamide** for synthesis (LAB) C_2H_4INO MW 184.96		25 g 100 g	11.50 39.50	
374 •I•	**Iodoacetic acid** GR ICH_2COOH MW 185.95 CERTIFICATE OF GUARANTEE: Assay (acidimetric) . min. 99% Melting-point . . 82–83° C Chloride (Cl) . max. 0.01 % Sulfate (SO_4) . max. 0.01 % Heavy metals (as Pb) . . . max. 0.001 % Iron (Fe) . . . . max. 0.0005% Arsenic (As) . . max. 0.0001% Sulfated ash . . max. 0.01 %	0.9	25 g 100 g	9.25 29.50	
351	**2-Iodobenzoic acid** standard for elementary analysis $C_7H_5JO_2$ MW 248.02 CERTIFICATE OF GUARANTEE: Carbon (C) . . . . . 33.9% Hydrogen (H) . . . . . 2.0% Iodine (I) . . . . . 51.2% Oxygen (O) . . . . . 12.9% Suitable for determination of C, H, I, O.	1	5 g	8.—	
4786 •I•	**1-Iodobutane** for synthesis (ORG) C_4H_9I MW 184.02 1 l = 1.61 kg		100 ml	19.—	
	Iodochlorohydroxyquinoline see 5-Chloro-8-hydroxy-7-iodoquinoline				

			Volume		Standard packages fob incl. all packing Prices per container	Bulk packag fob incl. pack Prices per k
					DM	DM
4787	•I•	**2-Iodobutane** for synthesis (ORG) stabilised with 1% sodium carbonate C_4H_9I MW 184.02 1 l = 1.58 kg		100 ml	19.	
		Iodoethane see Ethyl iodide				
4751		**Iodoform** powder extra pure DAB 6 CHI_3 MW 393.73	0.65	50 g 250 g 1 kg	4.50 16.— 52.50	
		7-Iodo-8-hydroxy-5-quinolinesulfonic acid sodium salt see Chiniofon				
		Iodomethane see Methyl iodide				
1967	•I•	**2-Iodo-2-methylpropane** for synthesis (ORG) stabilised with $CaSO_4$ C_4H_9I MW 184.02 1 l = 1.54 kg		100 ml	52.50	
4788	•I•	**1-Iodopropane** for synthesis (ORG) stabilised with 1% sodium carbonate C_3H_7I MW 169.99 1 l = 1.78 kg		100 ml	22.—	
4781		**Iodosobenzene diacetate** for synthesis (LAB) $C_{10}H_{11}IO_4$ MW 322.10 TYPE ANALYSIS: Assay (iodometric) 97% Melting-point . . . 159–161° C	1.3	10 g	16.25	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4765	**Ion exchanger I** (strongly acid cation exchanger) (LAB) TYPE ANALYSIS: Particle size . . . . . 0.3–0.9 mm Bulk density . . . . . about 65 g/100 ml Loss on drying (105°C) . . . . . 45–55% Exchange capacity . . . . . about 4.5 meq/g	1.3		100 g 250 g 500 g	5.25 11. 18.50	
4766	**Ion exchanger II** (slightly alkaline anion exchanger) (LAB) TYPE ANALYSIS: Particle size . . . . . 0.3–0.9 mm Bulk density . . . . . about 50 g/100 ml Loss on drying (105°C) . . . . . 35–45% Exchange capacity . . . . . about 5 meq/g	1.5		100 g 250 g 500 g	10. 22.— 39.50	
4767	**Ion exchanger III** (strongly alkaline anion exchanger) (LAB) TYPE ANALYSIS: Particle size . . . . . 0.3–0.9 mm Bulk density . . . . . about 50 g/100 ml Loss on drying (105°C) . . . . . 50–60% Exchange capacity . . . . . about 4 meq/g	1.4		100 g 250 g 500 g	10.— 22.— 39.50	
4835	**Ion exchanger IV** (slightly acid cation exchanger) (LAB) TYPE ANALYSIS: Particle size . . . . . 0.3–0.9 mm Bulk density . . . . . about 50 g/100 ml Loss on drying (105°C) . . . . . 40–50% Exchange capacity . . . . . about 10 meq/g	1.6		100 g 250 g 500 g	8.25 17.7 30.5	
4836	**Ion exchanger V** (mixed bed exchanger) (LAB) TYPE ANALYSIS: Particle size . . . . . 0.3–0.9 mm Bulk density . . . . . about 50 g/100 ml Loss on drying (105°C) . . . . . 50–60% Cation exchange capacity . . . . . about 2.3 meq/g Anion exchange capacity . . . . . about 1.5 meq/g	1.6		100 g 250 g 500 g	10.— 22.— 39.50	
	Ion exchanger Permutit T see page 527					
4778	**α-Ionone** for synthesis (ORG) $C_{13}H_{20}O$ MW 192.30	1 l = 0.93 kg		50 ml	11.—	
4779	**β-Ionone** for synthesis (ORG) $C_{13}H_{20}O$ MW 192.30	1 l = 0.94 kg		25 ml	8.	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk package fob incl. packi Prices per k DM
	Nacreous pigments for cosmetics				
4686	**Iriodin® WR 70**		1 kg special drum 50 kg		
	Nacreous pigments for plastics and lacquers				
4687	**Iriodin® POL A 35**		1 kg special drum 25 kg		
4651	**Iriodin® POL A 35 B**		1 kg special drum 25 kg		
4674	**Iriodin® PPM 35 BT**		1 kg special drum 25 kg		
4653	**Iriodin® POL A 65**		1 kg		
4668	**Iriodin® POL A 35 V**		1 kg		
4671	**Iriodin® PCL 35**		1 kg special drum 25 kg	prices on application	
4665	**Iriodin® PCL 35 B**		1 kg special drum 25 kg		
4685	**Iriodin® PWF 50**		1 kg		
4697	**Iriodin® PWF 35 V**		1 kg		
4662	**Iriodin® PVC 35**		1 kg special drum 25 kg		
4677	**Iriodin® PDB 60**		1 kg special drum 25 kg		
4661	**Iriodin® PP 70**		1 kg		
4658	**Iriodin® P 75**		1 kg special drum 25 kg		

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4680	**Iriodin® color B POL 35**		1 kg		
4681	**Iriodin® color G POL 35**		1 kg		
4682	**Iriodin® color R POL 35**		1 kg		
4683	**Iriodin® color Y POL 35**		1 kg		
4705	**Iriodin® color B PWF 50**		1 kg	prices on application	
4704	**Iriodin® color G PWF 50**		1 kg		
4706	**Iriodin® color R PWF 50**		1 kg		
4707	**Iriodin® color Y PWF 50**		1 kg		
4689	**Iriodin® color GY PWF 50**		1 kg		

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packir Prices per kg DM
3819	**Iron** reduced GR Fe AW 55.85 CERTIFICATE OF GUARANTEE: Assay of Fe . . . min. 99.5 % Substances insoluble in sulfuric acid . max. 0.1 % Chloride (Cl) . . max. 0.002% Sulfide (S) . . . max. 0.002% Total nitrogen (N) max. 0.01 % Lead (Pb) . . . . max. 0.002 % Zinc (Zn) . . . . max. 0.002 % Copper (Cu) . . . max. 0.002 % Manganese (Mn) . . . . . max. 0.002 % Arsenic (As) . . max. 0.0002%	0.35	P	100 g 250 g 1 kg	4.50 9.25 31.	
3815	**Iron** reduced extra pure DAB 7, NF X Fe AW 55.85	0.35	P P P ▤	250 g 1 kg 5 kg 100 kg	5.80 17.25 74.—	 13.10
3800	**Iron** powder DAB 6 Fe AW 55.85	0.35	P P P ▤	500 g 1 kg 5 kg 50 kg	5.25 8.50 34.25	 5.30
3912	**Iron(III) acetylacetonate** for synthesis (LAB) $C_{15}H_{21}FeO_6$ MW 353.18	2.5	▭	100 g 500 g	10.50 42.—	
	Iron alum see Ammonium iron(III) sulfate					
	Iron ammonium salts see Ammonium iron salts					
3861	**Iron(II) chloride** GR $FeCl_2 \cdot 4\,H_2O$ MW 198.81 CERTIFICATE OF GUARANTEE: Assay of $FeCl_2 \cdot 4\,H_2O$. min. 99% Sulfate (SO_4) . . max. 0.01 % Total nitrogen (N) max. 0.001 % Lead (Pb) . . . . max. 0.001 % Iron(III) (Fe) . . max. 0.2 % Copper (Cu) . . max. 0.002 % Zinc (Zn) . . . max. 0.003 % Manganese (Mn) max. 0.005 % Substances not precipitated by ammonia solution (as sulfates) . max. 0.05 % Arsenic (As) . . max. 0.0005%	1.2	P	100 g 250 g 1 kg 5 kg	5.— 10.50 34.25 147.—	
3860	**Iron(II) chloride** Erg B 6 $FeCl_2 \cdot 4\,H_2O$ MW 198.81 TYPE ANALYSIS: Assay of $FeCl_2 \cdot 4\,H_2O$ (manganometric) . . 99% Sulfate (SO_4) . . . . 0.03 % Heavy metals (as Pb) . 0.005 % Copper (Cu) . . . . 0.03 % Arsenic (As) 0.0005%	1.3	P P P □	500 g 1 kg 5 kg 50 kg	8.25 14.25 59.—	 10.—

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
3943	○	**Iron(III) chloride** GR $FeCl_3 \cdot 6H_2O$ MW 270.30 CERTIFICATE OF GUARANTEE: Assay of $FeCl_3 \cdot 6H_2O$ min. 99% Free acid (as HCL) max. 0.2 % Iron(II) (Fe) . . . max. 0.005 % Free chlorine (Cl) max. 0.001 % Sulfate (SO_4) . . max. 0.005 % Phosphate (PO_4) max. 0.002 % Total nitrogen (N) max. 0.001 % Lead (Pb) . . . max. 0.002 % Copper (Cu) . . max. 0.002 % Zinc (Zn) . . . max. 0.002 % Manganese (Mn) max. 0.005 % Substances not precipitated by ammonia solution (as sulfates) . max. 0.05 % Arsenic (As) . . max. 0.0005%	1.2		250 g 500 g 1 kg 5 kg 50 kg	5.80 9.50 16.75 74.—	 12.—
3945	•I• ○	**Iron(III) chloride** anhydrous for synthesis (LAB) $FeCl_3$ MW 162.21 TYPE ANALYSIS: Assay of $FeCl_3$ . . . . 99% Sulfate (SO_4) . . . . . 0.005% Phosphate (PO_4) . . . 0.005% Total nitrogen (N) . . 0.01 % Lead (Pb) . . . . . 0.005% Zinc (Zn) 0.005%	1.4		500 g 1 kg 50 kg	5.— 8.—	 2.90
3946	○	**Iron(III) chloride** cryst. pure, small lumps $FeCl_3 \cdot 6H_2O$ MW 270.30 TYPE ANALYSIS: Assay of $FeCl_3 \cdot 6H_2O$ 99% Substances insoluble in water . . . . . 0.05 % Free acid (as HCl) . . 0.1 % Free chlorine (Cl) . . 0.005% Sulfate (SO_4) . . . . 0.01 % Total nitrogen (N) . . 0.005% Iron (II) salts (Fe^{++}) . . 0.01 % Heavy metals (as Pb) . 0.005% Substances not precipitated by ammonia solution (as sulfates) . . . . 0.1 % Arsenic (As) 0.001%	1.3		1 kg 5 kg	6.25 23.—	
3941	○	**Iron(III) chloride** cryst. pure $FeCl_3 \cdot 6H_2O$ MW 270.30 TYPE ANALYSIS: Assay of $FeCl_3 \cdot 6H_2O$ 99% Substances insoluble in water . . . . . 0.05 % Free acid (as HCl) . . 0.1 % Free chlorine (Cl) . . 0.005% Sulfate (SO_4) . . . . . 0.01 % Total nitrogen (N) . . 0.005% Iron(II) salts (Fe^{++}) . . 0.01 % Heavy metals (as Pb) . 0.005% Substances not precipitated by ammonia solution (as sulfates) . . . . 0.1 % Arsenic (As) 0.001%	1.3		9051/50 kg		1.90
5512		**Iron(III) chloride solution** (about 10% Fe) GR 1 l = 1.28 kg			250 ml	6.80	
5513	○	**Iron(III) chloride solution** 1.490 (about 15% Fe) 1 l = 1.49 kg TYPE ANALYSIS: Assay of Fe . . . . . 15% Sulfate (SO_4) . . . . 0.05 % Free acid (as HCl) . . 1.0 % Heavy metals (as Pb) . 0.005% Iron(II) salts (Fe^{++}) . . 0.005% Arsenic (As) 0.001%			2½ l 40 kg 5 x 40 kg	15.75	 2.20 2.15

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5514	**Iron(III) chloride solution** in acetic acid and sulfuric acid (colour reagent for determination of cholesterol in an autoanalyzer) 1 l = 1.49 kg		1 l 2½ l	8.50 17.75	
3862	**Iron(III) citrate** granular about 19% Fe $C_6H_5FeO_7 \cdot 5\,H_2O$ MW 335.03	1.2	250 g 1 kg 5 kg 50 kg	5.25 14.25 58.—	 10.30
	Iron double-sugar agar acc. to Kligler see Iron two-sugar agar				
3914	**Iron(II) ethylenediammonium sulfate** GR volumetric standard $(CH_2NH_3)_2SO_4 \cdot FeSO_4 \cdot 4\,H_2O$ MW 382.15		100 g	8.50	
3868	**Iron(II) gluconate** powder $C_{12}H_{22}FeO_{14} \cdot 2\,H_2O$ MW 482.18	1.7	1 kg 5 kg 50 kg	21.— 90.—	 14.40
	TYPE ANALYSIS: Assay of $C_{12}H_{22}FeO_{14} \cdot 2\,H_2O$ (cerimetric) . . . . 98% Chloride (Cl) . . . . 0.005 % Sulfate (SO_4) . . . . 0.1 % Lead (Pb) . . . . . 0.002 % Copper (Cu) . . . . 0.0006% Iron(III) salts (Fe^{+++}) . 0.5 % Barium (Ba) . . . . . 0.005 % Arsenic (As) . . . . 0.0002% Oxalic acid ($C_2H_2O_4$) 0.002 % Reducing sugars (as glucose) . . . . 0.4 % Loss on drying (105°C) 7–10 %				
4121	**Iron(III) glycerophosphate** soluble powder $C_9H_{21}Fe_2O_{16}P_3 \cdot x\,H_2O$ MW (anhydrous) 621.87	1.4	250 g 1 kg 5 kg 50 kg	8.50 28.25 126.—	 22.50
3883	**Iron(III) nitrate** GR $Fe(NO_3)_3 \cdot 9\,H_2O$ MW 404.00	1	250 g 1 kg	5.50 15.75	
	CERTIFICATE OF GUARANTEE: Assay of $Fe(NO_3)_3 \cdot 9\,H_2O$ min. 99% Free acid (as HNO_3) . . max. 0.25 % Chloride (Cl) . max. 0.0005% Sulfate (SO_4) . max. 0.005 % Phosphate (PO_4) max. 0.005 % Lead (Pb) . . . max. 0.001 % Zinc (Zn) . . . . max. 0.005 % Copper (Cu) . . max. 0.001 % Manganese (Mn) max. 0.005 % Substances not precipitated by ammonia solution (as sulfates) . max. 0.1 % Arsenic (As) . . max. 0.0005%				

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
3888	**Iron(II) oxalate** $FeC_2O_4 \cdot 2\,H_2O$ MW 179.90	1.2	P P P	1 kg 5 kg 50 kg	8.— 30.50 5.30
3924	**Iron(III) oxide** GR Fe_2O_3 MW 159.69 CERTIFICATE OF GUARANTEE: Assay . . . . . min. 99% Substances soluble in water . . . . max. 0.02 % Substances insoluble in hydrochloric acid . . . . . max. 0.01 % Chloride (Cl) . . max. 0.01 % Sulfate (SO_4) . . max. 0.01 % Total nitrogen (N) max. 0.005% Silicate (SiO_2) . max. 0.005% Lead (Pb) . . . . max. 0.001% Nickel (Ni) . . . max. 0.001% Manganese (Mn) max. 0.005% Zinc (Zn) . . . . max. 0.005% Magnesium (Mg) . max. 0.03 % Calcium (Ca) . . max. 0.05 %	1.0			
3921	**Iron oxide saccharated** liquid Erg B 6 1 l = 1.24 kg TYPE ANALYSIS: Assay of Fe . . . 2.8–3.0% d 20°/4° . . . . . 1.226–1.256 Chloride (Cl) . . 0.05% Heavy metals (as Pb) 0.005 % Arsenic (As) 0.0005%		P P P	1 l 5 l 60 kg	9.— 34.75 3.70
3910	**Iron oxide saccharated** soluble about 10% Fe	1.3	P P P P	1 kg 5 kg 50 kg 5 x 50 kg	6.60 26.25 4.45 4.30
3935	**Iron(III) phosphate** calcined granular 2 mm GR $FePO_4$ MW 150.82				
	Iron saccharate see Iron oxide saccharated				
3965	**Iron(II) sulfate** GR $FeSO_4 \cdot 7\,H_2O$ MW 278.02 CERTIFICATE OF GUARANTEE: Assay of $FeSO_4 \cdot 7\,H_2O$ min. 99.5% Free acid (as H_2SO_4) . . max. 0.05 % Iron(III) (Fe^{+++}) . max. 0.015 % Chloride (Cl) . . max. 0.0005% Lead (Pb) . . . . max. 0.0005% Phosphate (PO_4) max. 0.001 % Total nitrogen (N) max. 0.001 % Copper (Cu) . . max. 0.002 % Zinc (Zn) . . . . max. 0.005 % Manganese (Mn) max. 0.05 % Substances not precipitated by ammonia solution (as sulfates) . max. 0.04 % Arsenic (As) . . max. 0.0002%	0.9			

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
3963	**Iron(II) sulfate** cryst. pure DAB 7, BP 1968, Ph Internat II, USP XVII $FeSO_4 \cdot 7\,H_2O$ MW 278.02 TYPE ANALYSIS: Assay of $FeSO_4 \cdot 7\,H_2O$ 99,5%; Chloride (Cl) . . . . 0.002 %; Phosphate (PO_4) . . 0.002 %; Lead (Pb) . . . . . 0.001 %; Copper (Cu) . . . . . 0.003 %; Zinc (Zn) . . . . . 0.005 %; Substances not precipitated by ammonia solution (as sulfates) . . . . 0.1 %; Arsenic (As) 0.0002%	0.9		2½ kg 5 kg 9051/50 kg	8.10 13.75	 1.65
3967	**Iron(II) sulfate** dried pure DAB 6, BP 1968, JP VII, Ph Internat II, USP XVII $FeSO_4 \cdot x\,H_2O$ (x = about 2) MW 151.91 (anhydrous) TYPE ANALYSIS: Assay of $FeSO_4$ 82.1–87.0%; Chloride (Cl) . . . . 0.02 %; Heavy metals (as Pb) 0.02 %; Lead (Pb) . . . . . 0.001 %; Copper (Cu) . . . . . 0.005 %; Zinc (Zn) . . . . . 0.005 %; Manganese (Mn) . . . 0.1 %; Substances not precipitated by ammonia solution (as sulfates) . . . . 0.1 %; Arsenic (As) 0.0003%	1		1 kg 5 kg 50 kg 5 x 50 kg	4.75 15.75	 2.15 2.—
3956	**Iron(II) sulfide** fused sticks for producing hydrogen sulfide	0.5		1 kg 5 kg	6. 24.75	
3952	**Iron(II) sulfide** fused sticks Erg B 6 FeS MW 87.91	0.5		1 kg 5 kg 50 kg	4.25 16.75	 2.40
3954	**Iron(II) sulfide** fused small lumps for producing hydrogen sulfide	0.5		1 kg 5 kg	6. 24.75	
3953	**Iron(II) sulfide** fused small lumps Erg B 6	0.5		1 kg 5 kg 50 kg	4.25 16.75	 2.40
	Iron-Three-Sugar-Agar see Triple sugar-iron agar					
3913	**Iron two-sugar agar** acc. to Kligler for microbiology (55 g for 1 litre of culture medium)	1.7		55 g 500 g 10 x 500 g	5. 31. 29.—	
4734	**Isatin** GR $C_8H_5NO_2$ MW 147.13 CERTIFICATE OF GUARANTEE: Assay (ex N) . . . min. 99%; Melting-range . . . 199–202° C; Substances insoluble in ethanol . . . . max. 0.01%; Sulfated ash . . . max. 0.05%	1.7		25 g	6.30	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4784	**Isatoic anhydride** for synthesis (ORG) $C_8H_5O_3N$ MW 163.13		100 g	10.50	
	iso-compounds see under name of the radical				
[illegible]	**Isoeugenol** for synthesis (ORG) $C_{10}H_{12}O_2$ MW 164.21 1 l = 1.09 kg		100 ml	[illegible]	
[illegible]	**Isoeugenol methyl ether** for synthesis (ORG) $C_{11}H_{14}O_2$ MW 178.23 1 l = 1.06 kg		100 ml	[illegible]	
	Isoniazid see *iso*-Nicotinic acid hydrazide				
	Isophoronediamine see (5-Amino-1,3,3-trimethyl-cyclohexylmethyl)-amine				
2406	**Isoquinoline** for synthesis (ORG) C_9H_7N MW 129.16 1 l = 1.09 kg		100 ml	11.25	
9404	**Isotonic sodium sulfate-copper sulfate solution** for photometric determination of blood sugar acc. to Frank-Kirberger 1 l = 1.02 kg		500 ml	[illegible]	
4812	**Itaconic acid** for synthesis (ORG) $C_5H_6O_4$ MW 130.10	1.5	500 g	10.—	
1324	**Janus green** (C.I. No. 11 050, S No. 282) for microscopy	2.5	25 g	5.25	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
9242	**Kaiser's glycerol gelatin** for microscopy	1	100 g	4.50	
6669	**Kalignost®** (sodium tetraphenylboron) GR $Na[B(C_6H_5)_4]$ MW 342.23 CERTIFICATE OF GUARANTEE: Assay (argentometric) . . . . . min. 99.5% Loss on drying (105° C) . . . . . max. 0.5%	3.4	10 g 25 g 100 g	18.50 45.— 162.–	
	Kaolin see Bole white				
	Karion see Sorbitol				
	Karl Fischer's solutions				
9248	1) in a single solution: 1 ml is equiv. to at least 5 mg H_2O 1 l = 1.18 kg		250 ml 1 l 2½ l standard box 15 x 1 l 8 x 15 x 1 l	7.50 22.— 49.50 1 l 20.50 1 l 20.—	
	2) in two separate solutions				
9246	Solution A: Pyridine sulfur dioxide solution 1 l = 0.93 kg		250 ml 1 l 2½ l standard box 15 x 1 l 8 x 15 x 1 l	6.60 19.— 42.— 1 l 18.— 1 l 17.50	
9247	Solution B: Methanolic iodine solution 1 l = 0.93 kg		250 ml 1 l 2½ l standard box 15 x 1 l 8 x 15 x 1 l	6.60 19.— 42.— 1 l 18.— 1 l 17.50	
	(1 ml of a mixture of equal volumes A and B is equivalent to at least 3 mg H_2O)				
	Kauffmann see Brilliant-green phenol-red lactose agar				
5412	**KCN test medium** acc. to Møller (base) for microbiology (13.8 g for 1 litre of culture medium)	1.7	0014 13.8 g 500 g 10 x 500 g	2.50 16.50 15.75	
5201	**Keratin**	1.5	100 g 1 kg	13 25 110.—	
5200	**Keratin** for coating of pills	1.5	100 g 1 kg	16.75 137.—	
	Kessler-Swenarton's gentian-violet bile desiccated nutrient medium see Gentian violet-bile-lactose broth				

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5190	**2-Keto-D-gluconic acid calcium salt** (trihydrate) for biochemistry (LAB) $C_{12}H_{18}CaO_{14} \cdot 3\,H_2O$ MW 480.39		5 g	8.	
5195	**5-Keto-D-gluconic acid potassium salt** for biochemistry (LAB) $C_6H_9KO_7$ MW 232.24	2.3	25 g	12.75	
5191	**2-Keto-L-gluconic acid** (monohydrate) for biochemistry (LAB) $C_6H_{10}O_7 \cdot H_2O$ MW 212.16		25 g	12.50	
5194	**α-Ketoglutaric acid** for biochemistry (LAB) $C_5H_6O_5$ MW 146.10 TYPE ANALYSIS: Assay (acidimetric) . . . 99% Melting-point . . . 113–115° C		25 g 100 g	6.10 17.50	
	γ-Ketovaleric acid see Levulinic acid				
8129	**Kieselguhr G*** for thin layer chromatography TYPE ANALYSIS: Content of $CaSO_4$. about 15% Chloride (Cl) . . . 0.02% Iron (Fe) . . . . . 0.04% pH of a 10% aqueous slurry . . . . . about 8 Particle size of the adsorbent . . . . . < 10 µ * The letter "G" signifies that the material contains calcium sulfate as binder.		500 g 1 kg 5 kg 25 kg	12.75 22.– 75.–	
9749	**Kieselguhr** 0.15–0.2 mm (70–100 mesh ASTM) for gas chromatography	2.3	100 g 1 kg 5 kg	4.– 8.– 25.–	
9697	**Kieselguhr** 0.2–0.3 mm (45–70 mesh ASTM) for gas chromatography	3.5	100 g 1 kg 5 kg	4.– 8.– 25.–	
9752	**Kieselguhr** 0.3–0.6 mm (30–50 mesh ASTM) for gas chromatography		100 g 1 kg 5 kg	4.– 8.– 25.–	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
9748	**Kieselguhr** silanised 0.2–0.3 mm (45–70 mesh ASTM) for gas chromatography	3.4	P	100 g 1 kg	23.75 200.—	
9749	**Kieselguhr** silanised 0.3–0.6 mm (30–50 mesh ASTM) for gas chromatography	3	P	100 g 1 kg	23.75 200.—	
8119	**Kieselguhr** purified and calcined (LAB) TYPE ANALYSIS: Substances soluble in hydrochloric acid . 1 % Chloride (Cl) . . . . . 0.01% Sulfate (SO_4) . . . . . 0.01% Heavy metals (as Pb) . 0.01% Iron (Fe) . . . . . 0.05% Loss on ignition . . . . 0.2 %	4	P □	500 g 1 kg 5 kg 25 kg	6.80 12.25 47.25	 8.—
8117	**Kieselguhr** purified and calcined Erg B 6	4	P □	1 kg 5 kg 9031/30 kg	5.— 17.50	 2.65
5738/0025	**TLC plates Kieselguhr*** F_{254} pre-coated 20 cm x 20 cm layer thickness 0.25 mm			pack of 25 sheets 10 packs 25 packs	 35.— 34.— 33.—	
5568/0025	**TLC aluminium sheets Kieselguhr*** F_{254} pre-coated 20 cm x 20 cm layer thickness 0.25 mm			pack of 25 sheets 10 packs 25 packs	 23.— 22.— 21.—	

* In the case of pre-coated items for TLC and PLC the designations "G", "H" or "P" used after the adsorbents in their powder form are dispensed with. The coatings of the items (plates, aluminium foil, plastic sheets) consist of the same basic material as the corresponding absorbents in powder form. Addition of gypsum is not necessary; the abrasion-resistance of all the pre-coated items is achieved by means of small amounts of an inert and at the same time highly effective binder. The letter "F" indicates the presence of a fluorescent indicator; the figures in the subcripts give the wavelength at which these indicators fluoresce.

Kirchner substrate see Substrate acc. to Kirchner

Kligler agar see Iron two-sugar agar

Körbl see Universal combustion catalyst acc. to Körbl

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5193		**Kojic acid** (5-hydroxy-2-hydroxymethyl-4-pyrone) for synthesis (LAB) $C_6H_6O_4$ MW 142.11 TYPE ANALYSIS: Assay (acidimetric) . . . 98% Melting-point (with decomposition) 152–154°C Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.001% Sulfated ash . . . . . 0.1 %	10		10 g	8.—	
9293	•|•	**Kovács' indole reagent** for microbiology 1 l = 0.92 kg			100 ml	8.-	
		KRANEP agar see Potassium-thiocyanate Actidione®-sodium-azide egg-yolk pyruvate agar					
		Kresol see Cresol					
		Krönig's cover glass cement see Cover glass cement					
6458		**Kryolith** chips **Patinal®** chip size 4–20 mm Na_3AlF_6 MW 209.94	1	P	100 g 1 kg	60.— price on application	
6457		**Kryolith** granular **Patinal®** grain size about 1–4 mm Na_3AlF_6 MW 209.94		P	100 g 1 kg	60.— price on application	
6459		**Kryolith** powder **Patinal®** particle size less than 0.3 mm Na_3AlF_6 MW 209.94	1.5	P	100 g 1 kg	53.— price on application	
5314	*	**Kubel-Tiemann's litmus solution** for bacteriology 1 l = 1.00 kg			250 ml 1 l 2½ l	5.25 13.75 27.75	
		Kühnel's carmine azurol solution see Carmine azurol					

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5308	**Lactate dehydrogenase** (from pig heart) chromatographic purified 3600 U/ml equiv. 360 U/mg for biochemistry (LAB) 1 l = 1.14 kg		1 ml 5 ml	16.— 60.—	
5309	**Lactate dehydrogenase** (from pig heart) cryst. 1800 U/ml equiv. 180 U/mg for biochemistry (LAB) 1 l = 1.14 kg		1 ml 5 ml	10.— 35.—	
366	**Lactic acid** about 90% extra pure BP 1968 $C_3H_6O_3$ MW 90.08 1 l = 1.21 kg		500 ml 1 l 5 l 35 kg 5 x 35 kg	6.60 12.— 52.—	 7.10 6.90
5413	**Lactobacillus-selective agar** for microbiology (85 g for 1 litre of culture medium)	1.8	85 g 500 g 10 x 500 g	5.75 22.50 21.—	
	Lactoflavine see Riboflavine				
7657	D(+)**Lactose** (monohydrate) for bacteriology $C_{12}H_{22}O_{11} \cdot H_2O$ MW 360.32	1.8	500 g 1 kg 5 kg 50 kg	5.80 9.50 40.—	 5.50
7660	D(+)**Lactose** (monohydrate) for biochemistry (LAB) $C_{12}H_{22}O_{11} \cdot H_2O$ MW 360.32	1.7	250 g	5.25	
	see also Carbohydrate test leaflets				
7656	D(+)**Lactose** (monohydrate) (milk sugar) powder DAB 7, BP 1968, Cod Franç 1965, JP VI, USP XVII $C_{12}H_{22}O_{11} \cdot H_2O$ MW 360.32	1.4	1 kg 5 kg 9051/50 kg	5.50 20.—	 2.75
8195	D(+)**Lactose** special grade for tabletting $C_{12}H_{22}O_{11} \cdot H_2O$ MW 360.32	1.8	5 kg 50 kg	25.— price on application	
7655	**Lactose peptone broth** acc. to Eijkman for microbiology (28.5 g for 1 litre of culture medium)	1.7	0029/28.5 g 500 g 10 x 500 g	4.— 16. 15.—	
	Laevulinic acid see Levulinic acid				
	Laevulose see D(—)Fructose				

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5298	**Lanatoside A** for biochemistry (LAB) $C_{49}H_{76}O_{19} \cdot 3\,H_2O$ MW 1023.19	3		1 g	80.—	
5297	**Lanatoside B** for biochemistry (LAB) $C_{49}H_{76}O_{20}$ MW 985.14	2		1 g	80.—	
5300	**Lanatoside C** NF XII $C_{49}H_{76}O_{20} \cdot 4\,H_2O$ MW 1057.20	2		**1 g** **10 g**	35.50 342.—	
	8,24-Lanostadien-3β-ol see Lanosterol					
3713	**Lanosterol** (8,24-lanostadien-3β-ol) (LAB) $C_{30}H_{50}O$ MW 426.73 TYPE ANALYSIS: Melting-point . 140° C Specific rotation ($[\alpha]_D^{20°}$, c = 1 in Chloroform) . + 55° to + 59° Dihydrolanosterol (thin layer chromatography) 25–35% Loss on drying (60° C, 1 Torr) . . . 2.5 % Sulfated ash . . . . . 0.1 %	9		100 g 1 kg	33.75 263.—	
5327	**Lanthanum fluoride** tablets **Patinal**® one tablet about 0.6 g	0.7		**100 g** **1 kg**	116.— **price on application**	
5326	**Lanthanum nitrate** GR $La(NO_3)_3 \cdot 6\,H_2O$ MW 433.02 CERTIFICATE OF GUARANTEE: Residue on ignition . . . 37.5–38.5% Substances insoluble in water . . . . max. 0.005% Chloride (Cl) . . max. 0.002% Sulfate (SO_4) . . max. 0.005% Heavy metals (as Pb) . . . . max. 0.002% Cerium (Ce) . . max. 0.03 % Neodymium (Nd) . max. 0.02 %	0.8		25 g 100 g	5.80 18.—	
5338	**Lauraldehyde** for synthesis (ORG) $C_{12}H_{24}O$ MW 184.32 1 l = 0.84 kg			50 ml		
5339	**Lauric acid** for biochemistry (LAB) $C_{12}H_{24}O_2$ MW 200.32	1.25		100 g	7.50	
5333	**Lauric acid** for synthesis (ORG) $C_{12}H_{24}O_2$ MW 200.32			1 kg	15.75	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Lauryl acrylate see Dodecyl acrylate					
	Lauryl alcohol see 1-Dodecanol					
	Laurylamine see Dodecylamine					
	Lauryl bromide see 1-Bromodecane					
	Lauryl methacrylate see Dodecyl methacrylate					
	Lauth's violet see Thionine					
5408	**LDC test medium** acc. to Carlquist for microbiology (18 g for 1 litre of culture medium)	2		18 g	3.—	
7362	**Lead** granular GR Pb AW 207.19 CERTIFICATE OF GUARANTEE: Silver (Ag) . . . max. 0.005%; Antimony (Sb) . max. 0.01 % Copper (Cu) . . max. 0.002%; Bismuth (Bi) . . . max. 0.005% Tin (Sn) . . . . . max. 0.001%; Iron (Fe) . . . . max. 0.001% Arsenic (As) . . . max. 0.01 %; Nickel (Ni) . . . . max. 0.002%	0.18	P	250 g 1 kg	7.50 23.—	
7365	**Lead** foil GR Pb AW 207.19 CERTIFICATE OF GUARANTEE: Silver (Ag) . . . max. 0.001%; Arsenic (As) . . max. 0.01 % Copper (Cu) . . max. 0.002%; Antimony (Sb) . max. 0.01 % Tin (Sn) . . . . . max. 0.001%; Bismuth (Bi) . . max. 0.005% Iron (Fe) . . . . max. 0.001%		P	250 g 1 kg	4.50 12.75	
7363	**Lead** fine-granular (max. 0.001% Ag) Pb AW 207.19	0.16	P	500 g 1 kg 5 kg	5.25 9.— 36.75	
7374	**Lead(II) acetate Suprapur®** $(CH_3COO)_2Pb \cdot 3\,H_2O$ MW 379.33 CERTIFICATE OF GUARANTEE: Copper (Cu) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Nickel (Ni) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Cobalt (Co) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Iron (Fe) . . . . . max. $1 \cdot 10^{-5}$ % (0.5 ppm)	0.7	P	50 g 500 g	10.50 70.—	
7375	**Lead(II) acetate** neutral GR $(CH_3COO)_2Pb \cdot 3\,H_2O$ MW 379.33 CERTIFICATE OF GUARANTEE: Assay of $(CH_3COO)_2Pb \cdot 3\,H_2O$ . . . . . min. 99.5 %; Copper (Cu) . . max. 0.001 % Chloride (Cl) . . max. 0.0005%; Iron (Fe) . . . . max. 0.001 % Total nitrogen (N) max. 0.0004%; Calcium (Ca) . . max. 0.005 % Sodium (Na) . . max. 0.005 % Potassium (K) . . max. 0.005 %	0.7	P	250 g 500 g 1 kg 5 kg	5.25 9.50 16.75 72.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7373	**Lead(II) acetate** neutral **Selectipur®** $(CH_3COO)_2Pb \cdot 3\,H_2O$ MW 379.33	0.7	1 kg	price on application	
7372	**Lead(II) acetate** neutral cryst. extra pure DAB 6, BP 1963, Ph Ned VI $(CH_3COO)_2Pb \cdot 3\,H_2O$ MW 379.33	0.8	1 kg 5 kg 9051 50 kg	6.80 26.25	4.20
7371	**Lead(II) acetate** neutral dry powder pure $(CH_3COO)_2Pb$ MW 325.30	1.1	1 kg 5 kg 50 kg	8.— 31.50	5.50
511/0001	**Lead(II) acetate paper** booklet cont. 100 strips		10 booklets 5 x 10 booklets	booklet —.58	
7418	**Lead(IV) acetate** (moistened with acetic acid) for synthesis (LAB) $(CH_3COO)_4Pb$ MW 443.37 TYPE ANALYSIS: Assay of $(CH_3COO)_4Pb$ (iodometric) . . . . . 80–90% Assay of acetic acid 10–20%	0.75	100 g 10 x 100 g	13.25 12.75	
	Lead acetate basic see Lead(II) hydroxide acetate				
5630 •I• *	**Lead acetate basic solution** DAB 6 1 l = 1.23 kg		5 l special drum 70 kg	25.25	2.50
[illegible]	**Lead(II) carbonate** GR $PbCO_3$ MW 267.20 CERTIFICATE OF GUARANTEE: Assay ($PbCO_3$) . min. 99% Substances insoluble in dilute acetic acid . . . max. 0.02 % Chloride (Cl) . . . max. 0.002% Total nitrogen (N) max. 0.005% Copper (Cu) . . . max. 0.002% Iron (Fe) . . . . . max. 0.005% Zinc (Zn) . . . . max. 0.003% Cadmium (Cd) . . max. 0.002% Substances not precipitated by H_2S (as sulfates) max. 0.1 %	0.9	250 g 1 kg	7.50 21.	
	Lead carbonate basic see Lead(II) hydroxide carbonate				
7383	**Lead(II) chloride** for synthesis (LAB) $PbCl_2$ MW 278.10		500 g 1 kg	11. 20.	
7512	**Lead(II) chromate** particle size 0.75–2.0 mm for elementary analysis $PbCrO_4$ MW 323.18 CERTIFICATE OF GUARANTEE: Assay of $PbCrO_4$ (iodometric) . . . min. 99% Carbon compounds (as C) . . . . max. 0.05%	0.4	100 g 250 g	5.35 9.50	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7513	**Lead(II) chromate** sintered powder, extra pure $PbCrO_4$ MW 323.18	0.45	P 1 kg 5 kg	29.— 126.—	
7387	**Lead(II) fluoride Suprapur** PbF_2 MW 245.19 CERTIFICATE OF GUARANTEE: Copper (Cu) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Nickel (Ni) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Cobalt (Co) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Iron (Fe) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm)	0.5	P 50 g 500 g	21.— 158.—	
7386	**Lead(II) fluoride Optipur®** PbF_2 MW 245.19	0.5	P 100 g 1 kg	prices on application	
7388	**Lead(II) fluoride** granular **Patinal®** particle size about 1–4 mm PbF_2 MW 245.19	0.4	P 100 g 1 kg	70.— price on application	
7389	**Lead(II) fluoride** granular **Patinal®** particle size less than 1 mm PbF_2 MW 245.19	0.3	P 100 g 1 kg	65.— price on application	
7414	**Lead(II) hydroxide acetate** anhydrous, for analysis of sugars acc. to Horne CERTIFICATE OF GUARANTEE: Assay Pb . . . . . 72–74 % CH_3COOH . . . 21.5–23.5% Chloride (Cl) . . max. 0.005% Iron (Fe) . . . . max. 0.002% Particle size less than 0.15 mm	1.1	P 500 g 1 kg 5 kg 50 kg 2 x 50 kg	5.50 9. 37.50	 5.60 5.40
2275	**Lead(II) hydroxide carbonate** DAB 6 about $(PbCO_3)_2 \cdot Pb(OH)_2$	0.7	P 1 kg 5 kg 9051/50 kg	7.10 28.50	 4.55
7398	**Lead(II) nitrate** GR $Pb(NO_3)_2$ MW 331.20 CERTIFICATE OF GUARANTEE: Assay of $Pb(NO_3)_2$ min. 99.5% Substances insoluble in water . . . max. 0.005 % Chloride (Cl) . max. 0.0005% Copper (Cu) . . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Substances not precipitated by H_2S (as sulfates) . . max. 0.1 %	0.5	P 250 g 1 kg	4.45 12.	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7397	**Lead(II) nitrate** cryst. extra pure $Pb(NO_3)_2$ MW 331.20 TYPE ANALYSIS: Assay of $Pb(NO_3)_2$ . . . 99% Chloride (Cl) . . . . . 0.005% Copper (Cu) . . . . . 0.002% Iron (Fe) . . . . . 0.002% Substances not precipitated by H_2S (as sulfates) 0.2%	0.5	P P P	500 g 1 kg 5 kg 50 kg	5.— 8.40 33.75	5.—
7396	**Lead(II) nitrate** cryst. pure $Pb(NO_3)_2$ MW 331.20	0.4	P P P	1 kg 5 kg 25 kg	7.50 28.50	3.95
7401	**Lead(II) oxide** GR PbO MW 223.19 CERTIFICATE OF GUARANTEE: Assay of PbO . . min. 99% Chloride (Cl) . . max. 0.002 % Total nitrogen (N) max. 0.0005% Silver (Ag) . . . max. 0.0008% Bismuth (Bi) . . max. 0.005 % Copper (Cu) . . max. 0.002 % Iron (Fe) . . . . max. 0.002 % Substances not precipitated by H_2S (as sulfates) . max. 0.3 % Loss on drying . max. 0.2 %	0.25	P P	250 g 1 kg	6.80 20.50	
5658	**Lead(II) oxide** DAB 6, BP 1963 PbO MW 223.19	0.25	P P P	1 kg 5 kg 9051 50 kg	6.30 26.25	3.80
7410	**Lead(IV) oxide** GR (for C-determination in steel) PbO_2 MW 239.19 CERTIFICATE OF GUARANTEE: Assay of PbO_2 . . min. 99 % Substances insoluble in acid . . . . max. 0.1 % Chloride (Cl) . . max. 0.02 % Sulfate (SO_4) . . max. 0.003 % Total Nitrogen (N) max. 0.005 % Carbon (C) . . . max. 0.005 % Copper (Cu) . . . max. 0.001 % Manganese (Mn) max. 0.0002% Iron (Fe) . . . . max. 0.03 %	0.3	P P	100 g 250 g	7.60 16.25	
7407	**Lead(IV) oxide** GR PbO_2 MW 239.19 CERTIFICATE OF GUARANTEE: Assay of PbO_2 . . min. 99% Substances insoluble in acid max. 0.1 % Chloride (Cl) . . max. 0.02 % Sulfate (SO_4) . max. 0.003 % Total nitrogen (N) max. 0.005 % Carbon (C) . . . max. 0.05 % Copper (Cu) . . max. 0.001 % Iron (Fe) . . . . max. 0.03 % Manganese (Mn) max. 0.0002% Substances not precipitated by H_2S (as sulfates) . max. 0.5 %	0.4	P P P	100 g 250 g 1 kg	7.50 15.75 53.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7408	**Lead(IV) oxide** acc. to Dennstedt GR PbO_2 MW 239.19 CERTIFICATE OF GUARANTEE: Assay of PbO_2 . . min. 99 % Substances insoluble in acid max. 0.2 % Chloride (Cl) . . . max. 0.05 % Sulfate (SO_4) . . max. 0.005% Total nitrogen (N) max. 0.005% Carbon (C) . . . max. 0.05 % Copper (Cu) . . . max. 0.001% Manganese (Mn) . max. 0.001% Iron (Fe) . . . . max. 0.05 % Loss on drying (105°C) . . . . max. 0.5 %	0.4	P1	100 g 250 g 1 kg	7.60 16.25 56.—	
7409	**Lead(IV) oxide** granular for elementary analysis PbO_2 MW 239.19 CERTIFICATE OF GUARANTEE: Assay of PbO_2 . . min. 99 % Substances insoluble in acid max. 0.2 % Chloride (Cl) . . . max. 0.05% Sulfate (SO_4) . . max. 0.005% Total nitrogen (N) max. 0.005% Carbon (C) . . . . max. 0.02 % Copper (Cu) . . . max. 0.005% Iron (Fe) . . . . . max. 0.05 % Loss on drying (105°C) . . . . max. 0.5 %	0.4	P1	100 g 250 g 1 kg	7.60 16.25 56.—	
7406	**Lead(IV) oxide** pure PbO_2 MW 239.19	0.6	P 	500 g 1 kg 5 kg 50 kg	6.80 13.— 53.—	 9.—
6080	**Lead(II,IV) oxide** DAB 6 Pb_3O_4 MW 685.57	0.5	 	1 kg 5 kg 9051/50 kg	6.30 25.25	 3.95
	Lead subacetate see Lead(II) hydroxide acetate					
	Lead tetraacetate see Lead(IV) acetate					
7412	**Lead(II) thiocyanate** for determination of thiocyanogen values acc. to Kaufmann $Pb(SCN)_2$ MW 323.35 CERTIFICATE OF GUARANTEE: Assay of $Pb(SCN)_2$ (chelatometric) . min. 99.5% Substances insoluble in hot water . . max. 0.01% Substances not precipitated by hydrogen sulfide (as sulfates) . . . max. 0.1% Water . . . . . max. 0.2%	0.4		100 g	11.—	
5331	**Lecithin** from eggs extra pure	1.5		25 g 100 g 1 kg	7.50 24.75 216.—	
5337	**Lecithin-albumin** (25% lecithin) powder	3.5	P 	250 g 1 kg 5 kg	15.25 53.— 237.—	
	Leifson see Deoxycholate citrate agar Selenite enrichment medium					

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1350	**Leishman's eosin methylene-blue** for microscopy	1.3		[illegible]	5.—	
5403	**Leptospira broth** acc. to Korthof (base) for microbiology (3.7 g for 1 litre of culture medium)	1.1		37 g	[illegible]	
5359	D-**Leucine** for biochemistry (LAB) $C_6H_{13}NO_2$ MW 131.18			5 g	18.—	
5363	DL-*iso*-**Leucine** $C_6H_{13}NO_2$ MW 131.18	2	P	**100 g** **1 kg**	29.50 258.—	
5360	L-**Leucine** for biochemistry (LAB) $C_6H_{13}NO_2$ MW 131.18 TYPE ANALYSIS: Assay (perchloric acid titration; on dried substance) 99% Melting-range . . . 285–295° C Specific rotation ($[\alpha]_D^{20°}$; c = 2.5, 1N HCl) . . . +12° to +14° Chloride (Cl) . . . . 0.01 % Sulfate (SO_4) . . . . 0.01 % Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.001 % Ammonium (NH_4) . . 0.0005% Sulfated ash . . . . . 0.1 % Water (acc. to Karl Fischer) . . . 0.5 %	3.2	P	25 g 100 g 1 kg	5.80 15.75 price on application	
5361	L-**Leucine** $C_6H_{13}NO_2$ MW 131.18	3.2	P	**250 g** **1 kg**	31.50 105.—	
5365	L-**Leucine methyl ester hydrochloride** for synthesis (LAB) $C_7H_{16}ClNO_2$ MW 181.66			5 g	6.30	
5362	L(+)-*iso*-**Leucine** for biochemistry (LAB) $C_6H_{13}NO_2$ MW 131.18 TYPE ANALYSIS: Assay (perchloric acid titration; on dried substance) 99% Melting-range . . . 275–285° C Specific rotation ($[\alpha]_D^{20°}$; c = 5, 1N HCl) +35.5° to +37° Chloride (Cl) . . . . 0.01 % Sulfate (SO_4) . . . . 0.01 % Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.001% Ammonium (NH_4) . . . 0.001% Sulfated ash . . . . . 0.1 % Water (acc. to Karl Fischer) . . . . 1 %	5	P	[illegible] [illegible] [illegible] [illegible]	5.25 18.50 63.— price on application	
4742	L-*iso*-**Leucine methyl ester hydrochloride** for synthesis (LAB) $C_7H_{16}ClNO_2$ MW 181.66	3		5 g	16.75	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5364	○	**L-Leucine 4-nitroanilide** for biochemistry (LAB) $C_{12}H_{17}N_3O_3$ MW 251.29 Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	3		1 g	13.25	
395		**Levulinic acid** pure $C_5H_8O_3$ MW 116.12	0.9		100 g 250 g 1 kg 20 kg	6.10 12.25 40.—	28.75
		Levulose see D(−)Fructose					
		Licristal® liquid crystalline 4,4′-Azoxyanisole 4,4′-Azoxyphenetole Black lake Cetyl cholesteryl carbonate Cholesterol acetate Cholesterol benzoate Cholesterol butyrate Cholesterol caprinate Cholesterol caproate Cholesterol caprylate Cholesterol cinnamate Cholesterol elaidate Cholesterol enanthate Cholesterol erucate Cholesterol ethyl carbonate Cholesterol laurate Cholesterol methyl carbonate Cholesterol myristate Cholesterol oleyl carbonate Cholesterol pelargonate Cholesterol propionate Cholesterol undecylate Cholesterol valerate Cholesteryl chloride 4,4′-Diheptyloxyazoxybenzene 4,4′-Dihexyloxyazoxybenzene 4-Ethoxy-4′-hexanoyloxyazobenzene N-(4-Hexyloxybenzylidene)-p-toluidine N-(4-Octyloxybenzylidene)-p-toluidine Temperature indicator					
1315		**Light green** (C.I. No. 42095, S No. 765) yellowish for microscopy $C_{37}H_{34}N_2Na_2O_9S_3$ MW 792.86	1.5		25 g 100 g	4.— 9.75	
		Light green N see Malachite green					
5352		**Lignoceric acid** for biochemistry (LAB) $C_{24}H_{48}O_2$ MW 368.65	4.5		1 g	13.—	
		Ligroin see Petroleum benzine					

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
		Lime, burnt see Calcium oxide					
5633	○	**Lipase** (pancreatic) lyophilised 2.5 U/mg for biochemistry (LAB) This item has to be stored in a refrigerator. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	3		0.1 g	15.—	
5645		DL-α-**Lipoic acid** $C_8H_{14}O_2S_2$ MW 206.33 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2.3		10 g 100 g	14.25 116.—	
		Liquorice extract see Extract of Liquorice					
		Litharge see Lead(II) oxide					
5662	•|•	**Lithium** (wire) for synthesis (LAB) Li AW 6.94 TYPE ANALYSIS: Heavy metals (as Pb) . 0.005% Iron (Fe) . . . . . 0.005% Calcium (Ca) . . . . . 0.05 % Sodium (Na) . . . . . 0.5 % Potassium (K) 0.01%			110 g	45.25	
5660	•|•	**Lithium** Li AW 6.94 TYPE ANALYSIS: Heavy metals (as Pb) . 0.005% Iron (Fe) . . . . . 0.008% Calcium (Ca) . . . . . 0.05 % Sodium (Na) . . . . . 1 % Potassium (K) 0.01%	3		10 g 25 g 100 g	5.25 9.50 33.75	
5673	•|•	**Lithium aluminium deuteride** deuteration degree 98% $Li(AlD_4)$ MW 41.98			1 g 10 g	17.50 150.—	
5664	•|•	**Lithium aluminium deuteride** deuteration degree not less than 99% $Li(AlD_4)$ MW 41.98 Assay (gas-volumetric) min. 90%			1 g 10 g	19.— 160.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5661	**Lithium aluminium hydride** for synthesis (LAB) $Li(AlH_4)$ MW 37.95 Assay (gas-volumetric) min. 90%	2	10 g 25 g 100 g 500 g	7.50 15.75 55.— 252.—	
5678	**Lithium amide** for synthesis (LAB) $LiNH_2$ MW 22.96		100 g	14.75	
5663	**Lithium benzoate** clearly soluble C_6H_5COOLi MW 128.06 TYPE ANALYSIS: Assay of C_6H_5COOLi (perchloric acid titration) . . . . . 99% Chloride (Cl) . . . . . 0.005% Sulfate (SO_4) . . . . 0.01 % Heavy metals (as Pb) . 0.002% Calcium (Ca) . . . . 0.01 % Sodium (Na) . . . . . 0.01 % Potassium (K) . . . . 0.01 %	2	250 g 1 kg 5 kg 50 kg	6.30 20.— 84.—	13.10
5668	**Lithium bromide** cryst. **Suprapur**® $LiBr \cdot x\ H_2O$ MW 86.85 (anhydrous) CERTIFICATE OF GUARANTEE: Lead (Pb) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Copper (Cu) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Cobalt (Co) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Nickel (Ni) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Iron (Fe) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Aluminium (Al) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Manganese (Mn) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Zinc (Zn) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Cadmium (Cd) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Thallium (Tl) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Magnesium (Mg) . . . . . max. $1 \cdot 10^{-4}$ % (1 ppm) Barium (Ba) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Calcium (Ca) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Strontium (Sr) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Sodium (Na) . . . . . max. $1 \cdot 10^{-2}$ % (100 ppm) Potassium (K) . . . . . max. $1 \cdot 10^{-2}$ % (100 ppm) Rubidium (Rb) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Cesium (Cs) . . . . . max. $1 \cdot 10^{-3}$ % (10 ppm)	0.7	25 g 250 g	13.25 91.—	
5669	**Lithium bromide** Erg B 6 LiBr MW 86.85	0.7	100 g 1 kg	4.75 29.50	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5680	**Lithium carbonate** GR Li_2CO_3 MW 73.89					
	CERTIFICATE OF GUARANTEE: Assay (Li_2CO_3) . . min. 99% Chloride (Cl) . . max. 0.002% Sulfate (SO_4) . . max. 0.005% Nitrate (NO_3) . . max. 0.001% Heavy metals (as Pb) . . . . . max. 0.001% Iron (Fe) . . . . . max. 0.001% Magnesium (Mg) . max. 0.001% Calcium (Ca) . . max. 0.005% Sodium (Na) . . . max. 0.005% Potassium (K) . . max. 0.005%					
				250 g	8.50	
				1 kg	18.—	
5671	**Lithium carbonate** extra pure DAB 6 Li_2CO_3 MW 73.89	3	P	100 g	5.50	
			P	250 g	11.50	
				1 kg	38.—	
				5 kg	170.—	
5670	**Lithium carbonate** pure USP IX Li_2CO_3 MW 73.89	1.5	P	250 g	6.30	
				1 kg	19.—	
				5 kg	79.—	
				50 kg		14.40
5677	**Lithium chloride** cryst. **Suprapur**® LiCl MW 42.39			25 g	13.25	
				250 g		
	CERTIFICATE OF GUARANTEE: Lead (Pb) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Copper (Cu) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Nickel (Ni) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Cobalt (Co) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Zinc (Zn) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Iron (Fe) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Aluminium (Al) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Manganese (Mn) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Calcium (Ca) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Magnesium (Mg) . . . . . max. $1 \cdot 10^{-4}$ % (1 ppm) Sodium (Na) . . . . . max. $1 \cdot 10^{-2}$ % (100 ppm) Potassium (K) . . . . . max. $1 \cdot 10^{-2}$ % (100 ppm)					
5679	**Lithium chloride** GR LiCl MW 42.39	1.6	P	100 g		
			P	250 g	11.50	
	CERTIFICATE OF GUARANTEE: Assay of LiCl . . . min. 99 % pH (5% solution) 5–7 Sulfate (SO_4) . . max. 0.005 % Total nitrogen (N) max. 0.001 % Heavy metals (as Pb) . . . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Calcium (Ca) . . max. 0.005 % Magnesium (Mg) . max. 0.005 % Barium (Ba) . . . max. 0.002 % Sodium (Na) . . . max. 0.05 % Potassium (K) . max. 0.05 %					

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5675	**Lithium chloride** Erg B 6 LiCl MW 42.39 TYPE ANALYSIS: Assay of LiCl (argentometric) . . . 98% Sulfate (SO_4) . . . . . 0.01 % Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.001% Calcium (Ca) . . . . . 0.01 % Sodium (Na) . . . . . 0.02 % Potassium (K) . . . . 0.01 %	1.7	P	100 g 250 g 1 kg 5 kg	5.25 11.— 37.75 168.—	
5683	*tri*-**Lithium citrate** cryst. BPC 1949 $C_6H_5Li_3O_7 \cdot 4\,H_2O$ MW 281.98	1.3	P ■	250 g 1 kg	7.50 24.25	
5671	**Lithium deuteride** deuteration degree 98% LiD MW 8.95			1 g 10 g	9.— 70.—	
5672	**Lithium deuteride** deuteration degree 99% LiD MW 8.95			1 g 10 g	9.50 75.—	
5689	**Lithium fluoride Optipur®** LiF MW 25.94	1	P	100 g 1 kg	**prices on application**	
5686	**Lithium fluoride Suprapur®** LiF MW 25.94 CERTIFICATE OF GUARANTEE: Lead (Pb) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Copper (Cu) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Cobalt (Co) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Nickel (Ni) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Zinc (Zn) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Iron (Fe) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Manganese (Mn) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Barium (Ba) . . . . . max. $1 \cdot 10^{-2}$ % (100 ppm) Strontium (Sr) . . . . . max. $1 \cdot 10^{-3}$ % (10 ppm) Calcium (Ca) . . . . . max. $5 \cdot 10^{-3}$ % (50 ppm) Magnesium (Mg) . . . . . max. $2 \cdot 10^{-4}$ % (2 ppm) Sodium (Na) . . . . . max. $2 \cdot 10^{-2}$ % (200 ppm) Potassium (K) . . . . . max. $2 \cdot 10^{-3}$ % (20 ppm) Rubidium (Rb) . . . . . max. $3 \cdot 10^{-3}$ % (30 ppm) Cesium (Cs) . . . . . max. $6 \cdot 10^{-3}$ % (60 ppm)	1.6	P	50 g 500 g	21.— 158.—	
5687	**Lithium fluoride** granular **Patinal®** particle size less than 1 mm LiF MW 25.94	0.7	P	100 g 1 kg	53.— **price on application**	
5684	**Lithium fluoride** granular **Patinal®** particle size about 1–4 mm LiF MW 25.94	0.7	P	100 g 1 kg	53.— **price on application**	

		Volume			Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
					DM	DM
5667	**Lithium hydrido-*tri*-*tert*-butoxoaluminate** for synthesis (LAB) $C_{12}H_{28}AlLiO_3$ MW 254.28	2.5	P	10 g	18.50	
5691	**Lithium hydroxide** about 98% LiOH (LAB) LiOH MW 23.95 TYPE ANALYSIS: Assay of LiOH . . . . . 98% Assay of Li_2CO_3 . . . . 2 % Chloride (Cl) . . . . . 0.04 % Sulfate (SO_4) . . . . . 0.05 % Heavy metals (as Pb) . 0.002% Iron (Fe) . . . . . 0.002% Sodium (Na) . . . . . 0.2 % Potassium (K) . . . . 0.05 %	2.5	P	100 g 250 g 1 kg	6.10 12.75 41.—	
5693	**Lithium hydroxide** about 54% LiOH cryst. $LiOH \cdot H_2O$ MW 41.96 TYPE ANALYSIS: Assay of LiOH (acidimetric) . . . . 54% Assay of Li_2CO_3 (acidimetric) . . . . 1 % Chloride (Cl) . . . . . 0.01 % Sulfate (SO_4) . . . . 0.05 % Heavy metals (as Pb) . 0.002% Iron (Fe) . . . . . 0.001% Calcium (Ca) . . . . . 0.02 % Sodium (Na) . . . . . 0.1 % Potassium (K) . . . . 0.05 %	1.6	P	250 g 1 kg 5 kg	6.80 22.— 90.—	
5688	**Lithium iodide** fused LiI · about 2 H_2O MW 133.84 (anhydrous) TYPE ANALYSIS: Assay of LiI (argentometric) . . . 80% Chloride and bromide (as Cl) . . . . . 0.1 % Sulfate (SO_4) . . . . . 0.02 % Heavy metals (as Pb) . 0.002% Iron (Fe) . . . . . 0.001% Calcium (Ca) . . . . . 0.005% Sodium (Na) . . . . . 0.01 % Potassium (K) . . . . 0.05 %	0.8		50 g 250 g	5.80 21.—	
5696	***tri*-Lithium phosphate Selectipur®** Li_3PO_4 MW 115.79		P	1 kg	price on application	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5694	**Lithium sulfate** GR $Li_2SO_4 \cdot H_2O$ MW 127.95 CERTIFICATE OF GUARANTEE: Assay of $Li_2SO_4 \cdot H_2O$. min. 99 % Chloride (Cl) . . max. 0.002 % Total nitrogen (N) max. 0.002 % Heavy metals (as Pb) . . . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Calcium (Ca) . . max. 0.005 % Sodium (Na) . . max. 0.005 % Potassium (K) . . max. 0.05 %	1	(P)	100 g 250 g	5.50 11.—	
5695	**Lithium sulfate** cryst. $Li_2SO_4 \cdot H_2O$ MW 127.95 TYPE ANALYSIS: Assay of $Li_2SO_4 \cdot H_2O$ 99% Chloride (Cl) . . . . . 0.002% Total nitrogen (N) . . . 0.003% Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.002% Calcium (Ca) . . . . . 0.005% Sodium (Na) . . . . . 0.01 % Potassium (K) . . . . 0.05 %	0.9	(P)	250 g 1 kg	6.60 23.75	
5699	*di*-**Lithium tetraborate** anhydrous GR $Li_2B_4O_7$ MW 169.12 CERTIFICATE OF GUARANTEE: Assay of $Li_2B_4O_7$. min. 98% Chloride (Cl) . . . max. 0.005% Sulfate (SO_4) . . max. 0.005% Phosphate (PO_4) . max. 0.002% Heavy metals (as Pb) . . . . . max. 0.002% Iron (Fe) . . . . . max. 0.001% Calcium (Ca) . . max. 0.005%	1.5		100 g 1 kg	9.— 69.—	
	Lithium tetrahydridoaluminate see Lithium aluminium hydride					
5312	**Litmus** extra pure indicator pH 5–8 red to blue	1.2		5 g 25 g 100 g	4.50 14.25 46.75	
5316	**Litmus lactose agar** acc. to Drigalski for microbiology (41 g for 1 litre of culture medium)	1.7		41 g 500 g 10 x 500 g	5.— 40.— 37.50	
5317	**Litmus lactose crystal-violet agar** acc. to Drigalski-Conradi for microbiology (41 g for 1 litre of culture medium)	1.7		41 g 500 g 10 x 500 g	5.25 42.50 40.—	

		Volume		Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
				DM	DM
0001	**Litmus paper blue**	plastic box cont. 1 roll	1 box	1.30	
			10 boxes box	1.20	
			50 boxes box	1.15	
/0001	**Litmus paper blue** refills	paper bag cont. 3 rolls	1 bag	1.80	
			10 bags bag	1.60	
			50 bags bag	1.55	
16 0001	**Litmus paper blue**	booklet cont. 100 strips	10 booklets booklet	-.63	
			5 x 10 booklet	—.58	
			booklets		
489/0001	**Litmus paper red**	plastic box cont. 1 roll	1 box	1.30	
			10 boxes box	1.20	
			50 boxes box	1.15	
/0001	**Litmus paper red** refills	paper bag cont. 3 rolls	1 bag	1.80	
			10 bags bag	1.60	
			50 bags bag	1.55	
517 0001	**Litmus paper red**	booklet cont. 100 strips	10 booklets booklet		
			5 x 10 booklet	—.58	
			booklets		
492/0001 †	**Litmus paper neutral**	plastic box cont. 1 roll	1 box		
			10 boxes box		
			50 boxes box		
518 0001	**Litmus paper neutral**	booklet cont. 100 strips	10 booklets booklet		
			5 x 10 booklet		
			booklets		

Litmus solution see Kubel-Tiemann's litmus solution

5464	**Liver broth** for detection of anaerobes for microbiology (62 g for 1 litre of culture medium)	1.7	62 g 500 g 10 x 500 g		
5402	**Liver hydrolysate** (enzymatic) for microbiology	2.3	100 g 500 g		

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5347	**Liver powder** for microbiology	2.1	P1	100 g	16.—	
1287	**Löffler's methylene-blue solution** for microscopy 1 l = 0.97 kg		P	100 ml 500 ml 2½ l	3.25 5.25 19.50	
	Löwenstein-Jensen medium see Egg medium					
9261	**Lugol's solution** dilute (iodine-potassium iodide solution) for microscopy 1 l = 1.00 kg			250 ml 1 l	4.25 9.—	
9263	**Lugol's solution** (about 5% iodine) DAB 7 1 l = 1.12 kg			250 ml 1 l	5.— 11.—	
5734	**2,4-Lutidine** (2,4-dimethylpyridine) for synthesis (LAB) C_7H_9N MW 107.16 1 l = 0.93 kg TYPE ANALYSIS: Assay (gas chromatographic) . . . . 97% d 20°/4° . . . . . 0.931–0.934 Refractive index ($n_D^{20°}$) . . . . . 1.500–1.502 Boiling-range (95%) 155–158° C			100 ml 500 ml	10.— 39.50	
5649	**2,5-Lutidine** (2,5-dimethylpyridine) for synthesis (ORG) C_7H_9N MW 107.16 1 l = 0.93 kg			25 ml	9.50	
5650	**2,6-Lutidine** (2,6-dimethylpyridine) for synthesis (ORG) C_7H_9N MW 107.16 1 l = 0.92 kg			250 ml 1 l	15.— 50.—	
5651	**3,4-Lutidine** (3,4-dimethylpyridine) for synthesis (ORG) C_7H_9N MW 107.16 1 l = 0.96 kg			25 ml	12.75	
5652	**3,5-Lutidine** (3,5-dimethylpyridine) for synthesis (ORG) C_7H_9N MW 107.16 1 l = 0.95 kg			100 ml	15.75	
3786	**2,6-Lutidine-1-oxide** (2,6-dimethylpyridine-1-oxide) for synthesis (ORG) C_7H_9NO MW 123.16 1 l = 1.10 kg			100 ml	35.—	

		Volume			Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
					DM	DM
5710	L(+)**Lysine monohydrochloride** for biochemistry (LAB) $C_6H_{15}ClN_2O_2$ MW 182.65 TYPE ANALYSIS: Assay (perchloric acid titration; on anhydrous substance) . . . . . 99% Melting-range . . . 250–260° C Specific rotation ($[\alpha]_D^{20°}$; c = 5, 1N HCl) +20° to +21.5° Sulfate (SO_4) . . . . 0.01 % Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.001 % Ammonium (NH_4) . . 0.0005% Water (acc. to Karl Fischer) . . . 1 % Sulfated ash . . . . . 0.1 %	2		100 g 250 g 1 kg	6.30 13.75 45.—	
5701	L(+)**Lysine monohydrochloride** $C_6H_{15}ClN_2O_2$ MW 182.65	2	P	1 kg 5 kg	27.50 115.—	
5618	L-**Lysine-4-nitroanilide dihydrobromide** for biochemistry (LAB) $C_{12}H_{20}Br_2N_4O_3$ MW 428.13 Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	3		1 g	15	
5291	**Lysozyme** cryst. 15 000 units/g for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	7		1 g	11.50	
5292	**Lysozyme** electrophoretically homogeneous 17 000 units/mg for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	7		1 g	31.50	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packin Prices per kg DM
5465	**MacConkey agar** for microbiology (50 g for 1 litre of culture medium)	1.7		50 g 500 g 10 x 500 g	5.— 32.50 30.50	
5396	**MacConkey broth** for microbiology (35 g for 1 litre of culture medium)	2		35 g 500 g 10 x 500 g	4.— 32.50 30.—	
	Maclagan's solution see Thymol buffer solution					
	Magenta see Diamond fuchsin					
5809	**Magnesia rods** (for the phosphorus salt test) (LAB)		box	25 rods 100 rods	5.25 13.75	
	Magnesia usta see Magnesium oxide					
5817	**Magnesium** turnings acc. to Grignard for synthesis (LAB) Mg AW 24.31 TYPE ANALYSIS: Assay of Mg . . . . . 99.5% Substances insoluble in hydrochloric acid . . 0.05% Iron (Fe) 0.02%	2.8		250 g 1 kg 50 kg	5.80 15.75	10.90
5815	**Magnesium** powder Mg AW 24.31 TYPE ANALYSIS: Assay of Mg . . . . . 99 % Iron (Fe) . . . . . 0.05% Substances insoluble in hydrochloric acid . . . 0.05%	1.3		250 g 1 kg	6.60 21.—	
5816	**Magnesium** powder Mg AW 24.31 TYPE ANALYSIS: Assay of Mg . . . . . 99 % Iron (Fe) . . . . . 0.05% Substances insoluble in hydrochloric acid . . . 0.05%	1.3		50 kg		12.50
5812	**Magnesium** foil 3 mm wide Mg AW 24.31 TYPE ANALYSIS: Assay of Mg . . . . . 99.5 % Substances insoluble in hydrochloric acid . . 0.05 % Lead (Pb) . . . . . 0.01 % Copper (Cu) . . . . . 0.005% Iron (Fe) . . . . . 0.05 %			reel with 28 g	4.25	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5819	**Magnesium acetate** GR $(CH_3COO)_2Mg \cdot 4\,H_2O$ MW 214.46 CERTIFICATE OF GUARANTEE: Assay of $(CH_3COO)_2Mg \cdot 4\,H_2O$ . . . . . min. 99.5% Substances insoluble in water . . . max. 0.005 % Chloride (Cl) . max. 0.001 % Sulfate (SO_4) . max. 0.001 % Total nitrogen (N) max. 0.001 % Heavy metals (as Pb) . . . . max. 0.0005% Copper (Cu) . . max. 0.0005% Iron (Fe) . . . . max. 0.0001% Manganese (Mn) max. 0.001 % Zinc (Zn) . . . . max. 0.0002% Barium and Strontium (as Ba) . . . max. 0.002 % Calcium (Ca) . max. 0.005 % Sodium (Na) . . max. 0.001 % Potassium (K) . max. 0.001 %	1.6	P	100 g 250 g 1 kg	[illegible] 7.50 20.—	
	Magnesium carbonate basic see Magnesium hydroxide carbonate					
5833	**Magnesium chloride** GR $MgCl_2 \cdot 6\,H_2O$ MW 203.31 CERTIFICATE OF GUARANTEE: Assay of $MgCl_2 \cdot 6\,H_2O$. min. 99% Free acid (as HCl) . . . max. 0.001 % Sulfate (SO_4) . max. 0.002 % Phosphate (PO_4) max. 0.0005% Total nitrogen (N) max. 0.001 % Heavy metals (as Pb) . . . . max. 0.0005% Copper (Cu) . . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Manganese (Mn) . max. 0.0005% Zinc (Zn) . . . . max. 0.001 % Barium and Strontium (as Ba) . . . max. 0.002 % Calcium (Ca) . max. 0.01 % Sodium (Na) . . max. 0.001 % Potassium (K) . max. 0.001 %	1.1	P	250 g 500 g 1 kg 5 kg	4.25 6.80 12.25 53.—	
5832 ○	**Magnesium chloride** cryst. extra pure Erg B 6, BP 1968 $MgCl_2 \cdot 6\,H_2O$ MW 203.31 TYPE ANALYSIS: Assay of $MgCl_2 \cdot 6\,H_2O$ 98.5 % Sulfate (SO_4) . . . . 0.005 % Total nitrogen (N) . . 0.005 % Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.0005% Barium and Strontium (as Ba) . . . . . 0.005 % Calcium (Ca) . . . . . 0.01 % Sodium (Na) . . . . 0.3 % Arsenic (As) . . . . . 0.0002% Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.6	P □	**1 kg** **5 kg** **50 kg** **5 x 50 kg**	5.25 20.—	 2.— 1.90
5831 ○	**Magnesium chloride** cryst. pure $MgCl_2 \cdot 6\,H_2O$ MW 203.31	1.6	P □	**1 kg** **5 kg** **50 kg** **5 x 50 kg**	5.— 19.50	 1.90 1.75

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packag fob incl. pac Prices per DM
[illegible]	*tri*-**Magnesium dicitrate** for bacteriology $C_{12}H_{10}Mg_3O_{14} \cdot 14\,H_2O$ MW 703.36	2.1	P 100 g 500 g	5.25 18.50	
5835	**Magnesium fluoride Optipur®** MgF_2 MW 62.31	0.6	P 100 g 1 kg	prices on application	
5843	**Magnesium fluoride** powder **Patinal®** particle size less than 0.3 mm MgF_2 MW 62.31	0.9	P 100 g 1 kg	29.50 price on application	
5847	**Magnesium fluoride** chips **Patinal®** chips size more than 15 mm MgF_2 MW 62.31	1.1	100 g 1 kg	33.50 price on application	
5846	**Magnesium fluoride** granular **Patinal®** particle size less than 1 mm MgF_2 MW 62.31	0.55	P 100 g 1 kg	33.50 price on application	
5845	**Magnesium fluoride** granular **Patinal®** particle size about 1–4 mm MgF_2 MW 62.31	0.7	P 100 g 1 kg	33.50 price on application	
5844	**Magnesium fluoride** granular **Patinal®** particle size less than 1 mm MgF_2 MW 62.31 Data of analysis on request	0.9	P 100 g 1 kg	29.50 price on application	
4151	**Magnesium glycerophosphate** powder BPC 1963 $C_3H_7MgO_6P$ MW 194.37	2	1 kg 5 kg 50 kg	28.50 121.—	22.50
5872	**Magnesium hydrogen phosphate** extra pure Erg B 6 $MgHPO_4 \cdot 3\,H_2O$ MW 174.34	1.2	P 500 g 1 kg 5 kg 50 kg	5.50 8.25 33.—	5.60
5871	**Magnesium hydrogen phosphate** pure $MgHPO_4 \cdot 3\,H_2O$ MW 174.34	1.2	P 1 kg 5 kg 50 kg	7.75 31.50	5.30
5870	**Magnesium hydroxide** extra pure BPC 1968 $Mg(OH)_2$ MW 58.33	2	1 kg 5 kg 25 kg	9.20 35.75	6.—

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		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
[illegible]	**Magnesium hydroxide carbonate** GR			100 g	6.10	
				250 g	12.75	
				1 kg	41.—	

CERTIFICATE OF GUARANTEE:

Assay of Mg	min. 24%	Heavy metals (as Pb)	max. 0.001 %
Substances soluble in water	max. 0.5 %	Copper (Cu)	max. 0.0005%
Substances insoluble in hydrochloric acid	max. 0.005%	Iron (Fe)	max. 0.001 %
Chloride (Cl)	max. 0.005%	Zinc (Zn)	max. 0.001 %
Sulfate (SO_4)	max. 0.003%	Barium and Strontium (as Ba)	max. 0.001 %
Total nitrogen (N)	max. 0.001%	Calcium (Ca)	max. 0.01 %
		Sodium (Na)	max. 0.1 %
		Potassium (K)	max. 0.002 %

5824	**Magnesium hydroxide carbonate Selectipur®**			1 kg	price on application	
5828	**Magnesium hydroxide carbonate** powder light	11		1 kg	5.—	
				5 kg	17.50	
				9021 20 kg		2.90
5829	**Magnesium hydroxide carbonate** DAB 7	1.8		1 kg	6.10	
				5 kg	22.—	
				50 kg		3.40
4643	**Magnesium hypophosphite**	1.3		1 kg	25.—	
	$Mg(H_2PO_2)_2 \cdot 6\,H_2O$ MW 262.38			5 kg	118.—	
				50 kg	price on application	

Magnesium methyl iodide see Methyl magnesium iodide

5855	**Magnesium nitrate** cryst. **Suprapur®**	1.4		50 g	10.50	
	$Mg(NO_3)_2 \cdot 6\,H_2O$ MW 256.41			500 g	70.	

CERTIFICATE OF GUARANTEE:

Lead (Pb)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Copper (Cu)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Nickel (Ni)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Zinc (Zn)	max. $5 \cdot 10^{-5}$ % (0.5 ppm)
Iron (Fe)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Manganese (Mn)	max. $5 \cdot 10^{-5}$ % (0.5 ppm)
Calcium (Ca)	max. $1 \cdot 10^{-2}$ % (100 ppm)
Barium (Ba)	max. $1 \cdot 10^{-3}$ % (10 ppm)

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packin Prices per kg DM
5853	**Magnesium nitrate** GR $Mg(NO_3)_2 \cdot 6H_2O$ MW 256.41 CERTIFICATE OF GUARANTEE: Assay of $Mg(NO_3)_2 \cdot 6H_2O$ min. 99.5% pH (5% solution) 5.0–8.2 Chloride (Cl) . max. 0.001 % Sulfate (SO_4) . . max. 0.002 % Heavy metals (as Pb) . . . max. 0.0005% Copper (Cu) . . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Manganese (Mn) . max. 0.0005% Zinc (Zn) . . . . max. 0.001 % Barium and Strontium (as Ba) . . . max. 0.002 % Calcium (Ca) . max. 0.005 % Sodium (Na) . . max. 0.0005% Potassium (K) . . max. 0.0005% Ammonium (NH_4) max. 0.001 %	1.4		500 g 1 kg	5.25 9.50	
5854	**Magnesium nitrate** cryst. extra pure $Mg(NO_3)_2 \cdot 6H_2O$ MW 256.41	1.4		1 kg 5 kg 50 kg	6.80 25.25	2.65
5866	**Magnesium oxide** (max. 0.001% SO_4) GR MgO MW 40.31 CERTIFICATE OF GUARANTEE: Assay of MgO . . min. 97% Substances soluble in water . . . . max. 0.5 % Substances insoluble in hydrochloric acid . . . . . max. 0.005% Chloride (Cl) . . max. 0.01 % Sulfate (SO_4) . . max. 0.001% Phosphate (PO_4) . max. 0.002% Carbonate (as CO_2) max. 1.5 % Total nitrogen (N) max. 0.002% Heavy metals (as Pb) . . . . max. 0.003% Copper (Cu) . . . max. 0.001% Iron (Fe) . . . . max. 0.005% Zinc (Zn) . . . . max. 0.005% Barium and Strontium (as Ba) . . . . max. 0.005% Calcium (Ca) . . max. 0.02 % Sodium (Na) . . max. 0.2 % Potassium (K) . . max. 0.005% Loss on ignition (800° C) . . . . max. 3 %	3.2		100 g 250 g 1 kg	9.50 20.— 69.	
5865	**Magnesium oxide** GR MgO MW 40.31 CERTIFICATE OF GUARANTEE: Assay of MgO (chelatometric) min. 97% Substances soluble in water . . . . max. 0.5 % Substances insoluble in hydrochloric acid . . . . . max. 0.005% Chloride (Cl) . . max. 0.01 % Sulfate (SO_4) . . max. 0.02 % Total nitrogen (N) max. 0.002% Heavy metals (as Pb) . . . . max. 0.005% Iron (Fe) . . . . max. 0.005% Zinc (Zn) . . . . max. 0.005% Barium and Strontium (as Ba) . . . . max. 0.005% Calcium (Ca) . . max. 0.02 % Sodium (Na) . . max. 0.2 % Potassium (K) . . max. 0.005% Loss on ignition . max. 3 %	3		100 g 250 g 1 kg	8.75 18.50 63.—	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5878		**Magnesium oxide A** granular for elementary analysis		25 g	13.25	
5864		**Magnesium oxide** for thin layer chromatography MgO MW 40.31		250 g 1 kg	15.75 53.—	
5877		**Magnesium oxide Selectipur®** MgO MW 40.31		1 kg	price on application	
5867		**Magnesium oxide** DAB 7 MgO MW 40.31	6	500 g 1 kg 5 kg 9026/25 kg	8.— 13.75 53.—	10.20
5861	†	**Magnesium oxide** light DAB 6 MgO MW 40.31	5.5	500 g 1 kg 5 kg 20 kg	5.25 8.50 33.75	5.80
5862		**Magnesium oxide** light BP 1968, USP XVII MgO MW 40.31	6.5	1 kg 5 kg 20 kg	8.25 31.50	5.75
5880		**Magnesium oxide** tablets **Patinal®** one tablet about 0.3 g MgO MW 40.31		100 g 1 kg	80.— price on application	
5874		**Magnesium perchlorate** (for drying) GR $Mg(ClO_4)_2 \cdot x\,H_2O$ MW 223.21 (anhydrous) CERTIFICATE OF GUARANTEE: Assay of $MgClO_4$ min. 83% Free acid (as $HClO_4$) . . max. 0.05 % Free base (as MgO) . . . max. 0.05 % Chloride (Cl) . . max. 0.005% Nitrate (NO_3) . . max. 0.002%	1.2	100 g 250 g 1 kg	8. 16.75 58.—	
5879		**Magnesium perchlorate** anhydrous GR $Mg(ClO_4)_2$ MW 223.21		10 g	12.50	
5875		**Magnesium perchlorate** 0.7–1.5 mm for elementary analysis $Mg(ClO_4)_2 \cdot x\,H_2O$ MW 223.21 (anhydrous)	1.6	100 g 250 g 1 kg	9 19.50 67.	
5873		**Magnesium perchlorate** (for drying) $Mg(ClO_4)_2 \cdot x\,H_2O$ MW 223.21 (anhydrous)	1.1	250 g 1 kg	13.25 45.25	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packi Prices per kg DM
5902	**Magnesium peroxide** about 25% MgO_2 MW 56.31	3.5	500 g 1 kg 5 kg 25 kg	8.50 14.75 58.—	10.50
	Magnesium phosphate dibasic see Magnesium hydrogen phosphate				
8712	**Magnesium reagent** acc. to Mann and Yoe (xylidyl blue reagent for magnesium) $C_{25}H_{20}N_3NaO_6S$ MW 513.51	1.5	1 g 5 g	4.75 12.75	
5876	**Magnesium stearate** precipitated fine powder $C_{36}H_{70}MgO_4$ MW 591.27	6.4	1 kg 5 kg 25 kg	7.60 30.50	4.45
5886	**Magnesium sulfate** GR $MgSO_4 \cdot 7\,H_2O$ MW 246.48 CERTIFICATE OF GUARANTEE: Assay of $MgSO_4 \cdot 7\,H_2O$ min. 99.5% pH (5% solution) 5.0–8.0 Chloride (Cl) . max. 0.0003% Total nitrogen (N) max. 0.002 % Heavy metals (as Pb) . . . . max. 0.0005% Copper (Cu) . . max. 0.0005% Iron (Fe) . . . . max. 0.0001% Manganese (Mn) max. 0.0005% Zinc (Zn) . . . max. 0.001 % Calcium (Ca) . . max. 0.005 % Sodium (Na) . . max. 0.001 % Potassium (K) . max. 0.0005%	1.1	500 g 1 kg 5 kg	5.— 8.50 35.75	
5882	**Magnesium sulfate** cryst. extra pure DAB 7, BP 1968, USP XVII $MgSO_4 \cdot 7\,H_2O$ MW 246.48 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1	2½ kg 5 kg 9051/50 kg	5.25 9.—	—.91
5885	**Magnesium sulfate** dried extra pure DAB 7 (min. 70%$MgSO_4$)	1.3	2½ kg 5 kg 9051/50 kg	6.80 12.25	1.31

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5848	**Magnesium thiosulfate** cryst. pure $MgS_2O_3 \cdot 6\,H_2O$ MW 244.53 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.5	250 g 1 kg 5 kg 50 kg	7.10 20.50 84.—	 15.75
8409	**Magnesium Titriplex®** (ethylenediaminetetraacetic acid dipotassium magnesium salt) GR $C_{10}H_{12}K_2MgN_2O_8 \cdot 2\,H_2O$ MW 426.76	1.1	25 g 100 g 250 g	5.— 13.75 31.—	
5906	**Magnesium trisilicate** powder USP XVII $2\,MgO \cdot 3\,SiO_2 \cdot x\,H_2O$	2.5	1 kg 5 kg 50 kg	8.— 29.—	 4.25
5907	**Magnesium tungstate Selectipur®** $MgWO_4$ MW 272.16	0.5	1 kg 10 kg	prices on application	
1398	**Malachite green-oxalate** (C. I. No. 42000, S. No. 754) GR for microscopy and bacteriology $2\,C_{23}H_{25}N_2 + 3\,C_2H_2O_4$	1.5	25 g 100 g 1 kg	3.50 6.60 45.25	
	Malachite green G see Brilliant green				
380	**Maleic acid** for synthesis (LAB) $C_4H_4O_4$ MW 116.07 TYPE ANALYSIS: Assay (acidimetric) 99.5% Melting-range . . . 134–138° C Chloride (Cl) . . . 0.002% Sulfate (SO_4) . . 0.01 % Heavy metals (as Pb) 0.001% Iron (Fe) . . . . . 0.001% Sulfated ash . . . . . 0.1 %	1.6	250 g 1 kg 5 kg	4.50 11.50 46.25	
408	**Maleic anhydride** for synthesis (LAB) $C_4H_2O_3$ MW 98.06 TYPE ANALYSIS: Assay (acidimetric) 99% Melting-range . . . 51–54° C Boiling-range . . . 198–200° C Malic acid, maleic acid . . passes test Sulfated ash . . . 0.2%	1.5	250 g 1 kg 5 kg 50 kg	3.75 7.50 31.—	 3.75
763	D(+)**Malic acid** for synthesis (LAB) $C_4H_6O_5$ MW 134.09		5 g	32.—	
382	DL-**Malic acid** for biochemistry (LAB) $C_4H_6O_5$ MW 134.09 TYPE ANALYSIS: Assay (acidimetric) 99% Specific rotation ($[\alpha]_D^{20}$°; c = 1, water) . . 0° Melting-range . . . 129–131° C Chloride (Cl) . . 0.01% Sulfate (SO_4) . . . . 0.02 % Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.001 % Arsenic (As) . . . . 0.0001% Sulfated ash . . . . . 0.1 %	1.6	250 g 1 kg	5.50 15.50	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
383	DL-**Malic acid** $C_4H_6O_5$ MW 134.09	1.6		1 kg 5 kg 25 kg	13.25 52.—	9.30
384	L(−)**Malic acid** for resolution of racemates (LAB) $C_4H_6O_5$ MW 134.09	1.8		5 g 25 g	6.30 23.—	
6190	**Malonamide** for synthesis (ORG) $C_3H_6N_2O_2$ MW 102.09	2		100 g	13.—	
5419	**Malonate phenylalanine test medium** acc. to Shaw and Clarke for microbiology (50 g for 5 litres of culture medium)	1.7		50 g	7.50	
5797	**Malondialdehyde tetraethylacetal** for synthesis (ORG) $C_{11}H_{24}O_4$ MW 220.31 1 l = 0.92 kg			250 ml	20.—	
387	**Malonic acid** for synthesis (LAB) $C_3H_4O_4$ MW 104.06 TYPE ANALYSIS: Assay (acidimetric) . 99% Melting-point . . . 132–134° C Water (acc. to Karl Fischer) 0.5 % Sulfated ash . . . . . 0.1 %	1.4		100 g 250 g 1 kg	8.— 19.50 66.—	
	Malonic acid-d_4 see Tetradeuteromalonic acid					
	Malonic acid disodium salt see Sodium malonate					
6189	**Malononitrile** for synthesis (LAB) $C_3H_2N_2$ MW 66.06			100 g	16.75	
5391	**Malt extract** for microbiology			100 g 500 g	4.75 18.50	
5398	**Malt extract agar** for microbiology (48 g for 1 litre of culture medium)	2		48 g 500 g 10 x 500 g	6.— 37.50 35.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5907	**Malt extract broth** for microbiology **(20 g for 1 litre of culture medium)**	2	20 g 500 g 10 x 500 g	3.50 27.50 26.50	
	Maltin see Diastase				
5910	D(+)**Maltose** for bacteriology $C_{12}H_{22}O_{11} \cdot H_2O$ MW 360.32	2.5	100 g 500 g	9.50 21.—	
	see also Carbohydrate test leaflets				
5917	D(+)**Maltose** for biochemistry (LAB) $C_{12}H_{22}O_{11} \cdot H_2O$ MW 360.32 TYPE ANALYSIS: Assay . . . . . 99% Specific rotation ($[\alpha]_D^{20}$°; c = 10, water + 1 drop NH_3) . . . . . +135° Heavy metals (as Pb) . 0.001% Dextrin . . . . . 0.1 % Glucose . . . . . 0.1 % Sulfated ash . . . . . 0.01 %	2	25 g	22.—	
5911	D(+)**Maltose** cryst. Erg B 6 $C_{12}H_{22}O_{11} \cdot H_2O$ MW 360.32	2.8	**100 g** **250 g** **1 kg**	5.80 11.25 40.—	
5909	**Maltose peptone broth** acc. to Sabouraud for microbiology **(30 g for 1 litre of culture medium)**	1.5	50 g 500 g 10 x 500 g	4.— 20.30 70.—	
5914	D(−)**Mandelic acid** for resolution of racemates (LAB) $C_8H_8O_3$ MW 152.15 TYPE ANALYSIS: Assay (acidimetric) 99% Melting-point . . . 132–135° C Specific rotation ($[\alpha]_D^{20}$°; c = 2, water) . . −154° ±3° Sulfated ash . . . 0.1%	1.1	5 g 100 g	14.75 200.—	
5913	DL-**Mandelic acid** for synthesis (ORG) $C_8H_8O_3$ MW 152.15	0.6	250 g	12.25	
5919	**Manganese(II) acetate** GR $(CH_3COO)_2Mn \cdot 4\,H_2O$ MW 245.09 CERTIFICATE OF GUARANTEE: Assay of $(CH_3COO)_2Mn \cdot 4\,H_2O$ . . . . . min. 99% Chloride (Cl) . . max. 0.005 % Sulfate (SO_4) . . max. 0.005 % Lead (Pb) . . . . max. 0.001 % Copper (Cu) . . . max. 0.0005% Nickel (Ni) . . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Zinc (Zn) . . . . max. 0.001 % Magnesium (Mg) max. 0.005 % Calcium (Ca) . . max. 0.001 % Sodium (Na) . . max. 0.005 % Substances reducing $KMnO_4$ (as O) . max. 0.001 % Potassium (K) . . max. 0.001 %	1.5	250 g 1 kg	6.10 16.50	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5921	**Manganese(II) acetate** cryst. extra pure $(CH_3COO)_2Mn \cdot x\,H_2O$ MW 173.03 (anhydrous)	1.4	1 kg 5 kg 50 kg	7.25 27.50	 4.40
5922	**Manganese(II) acetylacetonate** for synthesis (LAB) $C_{10}H_{14}MnO_4$ MW 253.16	2	100 g 500 g	20.50 88.—	
5923	**Manganese(III) acetylacetonate** for synthesis (LAB) $C_{15}H_{21}MnO_6$ MW 352.27	3	100 g 500 g	20.50 88.—	
5920	**Manganese(II) carbonate** $MnCO_3 \cdot x\,H_2O$ MW 114.95 (anhydrous)	0.7	50 kg		3.90
5927	**Manganese(II) chloride** GR $MnCl_2 \cdot 4\,H_2O$ MW 197.91 CERTIFICATE OF GUARANTEE: Assay of $MnCl_2 \cdot 4\,H_2O$ min. 99% Sulfate (SO_4) . . max. 0.002 % Lead (Pb) . . . . max. 0.001 % Copper (Cu) . . max. 0.0005% Nickel (Ni) . . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Zinc (Zn) . . . . max. 0.001 % Magnesium (Mg) max. 0.005 % Calcium (Ca) . . max. 0.001 % Sodium (Na) . . max. 0.005 % Potassium (K) . . max. 0.001 % Substances reducing $KMnO_4$ (as O) . . . . max. 0.0005%	0.9	250 g 500 g 1 kg	5.50 8.80 16.50	
5926	**Manganese(II) chloride** cryst. extra pure Erg B 6 $MnCl_2 \cdot 4\,H_2O$ MW 197.91	0.9	500 g 1 kg 5 kg 50 kg	6.60 11.— 44.—	 6.90
	Manganese dioxide see Manganese(IV) oxide				
4158	**Manganese(II) glycerophosphate** NF X $C_3H_7MnO_6P$ MW 225.00	2	100 g 1 kg 5 kg	6.60 49.50 209.—	
5937	**Manganese(II) lactate** powder $C_6H_{10}MnO_6 \cdot 3\,H_2O$ MW 287.13	1.4	1 kg	18.25	
5942	**Manganese(II) nitrate 6-hydrate Selectipur®** $Mn(NO_3)_2 \cdot 6\,H_2O$ MW 287.04	1	5 kg plastic container 15 kg	prices on application	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5940	**Manganese(II) nitrate 4-hydrate** GR $Mn(NO_3)_2 \cdot 4\,H_2O$ MW 251.01 CERTIFICATE OF GUARANTEE: Assay of $Mn(NO_3)_2 \cdot 4\,H_2O$ . . . . . min. 98.5 % Chloride (Cl) . max. 0.001 % Sulfate (SO_4) . max. 0.005 % Lead (Pb) . . . . max. 0.001 % Copper (Cu) . . . max. 0.0005% Nickel (Ni) . . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Zinc (Zn) . . . . max. 0.001 % Magnesium (Mg) max. 0.005 % Calcium (Ca) . . max. 0.001 % Sodium (Na) . . max. 0.005 % Potassium (K) . . max. 0.005 %	1.1	P	250 g 1 kg 5 kg	5.25 13.75 60.—	
5948	**Manganese(II) nitrate solution Selectipur®** about 55% $Mn(NO_3)_2$			plastic container 15 kg	price on application
5946	**Manganese(II) nitrate solution Selectipur®** about 58% $Mn(NO_3)_2$			plastic container 15 kg	price on application
5953	**Manganese(IV) oxide** on carrier, activated granular for elementary analysis MnO_2 MW 86.94	2.5		100 g 1 kg	15.75 135.—	
5957	**Manganese(IV) oxide** 85–90% powder GR MnO_2 MW 86.94	0.6		1 kg 5 kg	5.25 19.25	
5960	**Manganese(IV) oxide** precipitated, granular for synthesis (LAB) MnO_2 MW 86.94	0.7		[illegible] g 1 kg	[illegible] 11.75	
5963	**Manganese(II) sulfate 1-hydrate** GR $MnSO_4 \cdot H_2O$ MW 169.01 CERTIFICATE OF GUARANTEE: Assay of $MnSO_4 \cdot H_2O$. min. 99% Chloride (Cl) . max. 0.005 % Lead (Pb) . . . . max. 0.001 % Copper (Cu) . . max. 0.0005% Nickel (Ni) . . . max. 0.0005% Iron (Fe) . . . . max. 0.001 % Zinc (Zn) . . . . max. 0.005 % Magnesium (Mg) max. 0.005 % Calcium (Ca) . . max. 0.005 % Sodium (Na) . . max. 0.005 % Potassium (K) . . max. 0.005 % Substances reducing $KMnO_4$ (as O) . . . . max. 0.0005%	0.9		250 g 500 g 1 kg 5 kg	5.25 8.30 15.50 66.—	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5960	**Manganese(II) sulfate 1-hydrate** cryst. extra pure $MnSO_4 \cdot H_2O$ MW 169.01 TYPE ANALYSIS: Assay of $MnSO_4 \cdot H_2O$ . . . . 99% Chloride (Cl) . . . . 0.01 % Heavy metals (as Pb) . 0.002% Iron (Fe) . . . . . 0.002% Zinc (Zn) . . . . . 0.01 % Calcium (Ca) . . . . . 0.1 % Magnesium (Mg) . . . . 0.1 % Substances reducing $KMnO_4$ (as O) 0.001%	0.9		500 g 1 kg 5 kg 50 kg	5.75 10.— 38.50	 6.30
5959	**Manganese(II) sulfate 1-hydrate** cryst. pure $MnSO_4 \cdot H_2O$ MW 169.01	0.8		1 kg 5 kg 50 kg	7.75 27.50	 4.55
	Manganese superoxide see Manganese(IV) oxide					
5983	D(−)**Mannitol** for determination of boric acid $C_6H_{14}O_6$ MW 182.17 CERTIFICATE OF GUARANTEE: Assay . . . . . min. 99% Reaction . . . . passes test Melting-point . . 165–166° C Specific rotation ($[\alpha]_D^{20}$°; c = 10, sodium borate) +23.0° to +24.0° Chloride (Cl) . max. 0.005 % Sulfate (SO_4) . max. 0.01 % Heavy metals (as Pb) . . . max. 0.001 % Iron (Fe) . . . . max. 0.001 % Calcium (Ca) . . max. 0.001 % Arsenic (As) . . max. 0.0001% Reducing sugars (as glucose) . max. 0.04 % Water (acc. to Karl Fischer) . max. 0.3 % Sulfated ash . . max. 0.05 %	2.2	P	100 g 250 g 1 kg	5.50 11.— 35.75	
5982	D(−)**Mannitol** for bacteriology $C_6H_{14}O_6$ MW 182.17	2	P	100 g 500 g	5.— 15.75	
5987	D(−)**Mannitol** for biochemistry (LAB) $C_6H_{14}O_6$ MW 182.17	2	P	100 g	10.—	
5981	D(−)**Mannitol Selectipur®** $C_6H_{14}O_6$ MW 182.17	2		50 kg	price on application	
5980	D(−)**Mannitol** Erg B 6, BP 1968, NF XII $C_6H_{14}O_6$ MW 182.17 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2.2	P	250 g 1 kg 5 kg 50 kg	4.25 10.50 42.— price on application	
5404	**Mannitol sodium-chloride phenol-red agar** for microbiology (108 g for 1 litre of culture medium)	1.7		108 g 500 g 10 x 500 g	6.75 22.50 21.50	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5984	D(+)**Mannose** for bacteriology $C_6H_{12}O_6$ MW 180.16	1.8	5 g 25 g 100 g	5.— 16.50 57.50	
5985	D(+)**Mannose** for biochemistry (LAB) $C_6H_{12}O_6$ MW 180.16	1.8	5 g	7.10	
	see also Carbohydrate test leaflets				
5986	**Marble chips** for producing CO_2 (LAB)	0.75	carton 1 kg 5 kg case 50 kg	4.25 13.25	 1.38
5977	**Marble powder** for water analysis $CaCO_3$ MW 100.09	1	250 g 500 g 1 kg	6.60 11.— 20.—	
398	**Margaric acid** for biochemistry (LAB) $C_{17}H_{34}O_2$ MW 270.46		10 g	10.75	
9249	**Mayer's hemalum solution** for microscopy 1 l = 1.03 kg		250 ml 2½ l	4.25 21.—	
1352	**May-Grünwald's eosin methylene-blue** for microscopy	2.5	25 g 100 g	8.50 25.75	
1424	May-Grünwald's eosin methylene-blue solution modified, for microscopy 1 l = 0.80 kg		100 ml 500 ml 2½ l 50 l	3.— 5.25 18.50	 litre 4.80
	Meat extract see Extract of meat				
	Melampyrit see Dulcitol				
	Melitose see Raffinose				

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Melting substances for temperature measurements				
9842/0001	40–130° C (degree 10° to 10° C)		**carton cont. 10 plastic bottles**	53.—	
9840/0001	135–180° C (degree 5° to 5° C)		**carton cont. 10 plastic bottles**	53.—	

Melting substances (plastic bottle)

			DM				DM
9640/0001	m. pt.	40° C	8.40	9740/0001	m. pt.	140° C	4.25
9645/0001	m. pt.	45° C	6.30	9745/0001	m. pt.	145° C	4.25
9650/0001	m. pt.	50° C	4.25	9750/0001	m. pt.	150° C	6.30
9655/0001	m. pt.	55° C	8.40	9755/0001	m. pt.	155° C	8.40
9660/0001	m. pt.	60° C	6.30	9760/0001	m. pt.	160° C	4.25
9665/0001	m. pt.	65° C	6.30	9765/0001	m. pt.	165° C	6.30
9670/0001	m. pt.	70° C	6.30	9770/0001	m. pt.	170° C	6.30
9675/0001	m. pt.	75° C	8.40	9775/0001	m. pt.	175° C	6.30
9680/0001	m. pt.	80° C	4.25	9780/0001	m. pt.	180° C	6.30
9685/0001	m. pt.	85° C	4.25	9785/0001	m. pt.	185° C	4.25
9690/0001	m. pt.	90° C	4.25	9790/0001	m. pt.	190° C	4.25
9695/0001	m. pt.	95° C	6.30	9800/0001	m. pt.	200° C	8.40
9700/0001	m. pt.	100° C	4.25	9808/0001	m. pt.	208° C	12.50
9705/0001	m. pt.	105° C	4.25	9810/0001	m. pt.	210° C	4.25
9710/0001	m. pt.	110° C	4.25	9815/0001	m. pt.	215° C	6.30
9715/0001	m. pt.	115° C	4.25	9825/0001	m. pt.	225° C	6.30
9720/0001	m. pt.	120° C	8.40	9837/0001	m. pt.	237° C	10.50
9725/0001	m. pt.	125° C	6.30	9847/0001	m. pt.	247° C	6.30
9730/0001	m. pt.	130° C	6.30	9860/0001	m. pt.	260° C	4.25
9735/0001	m. pt.	135° C	4.25				

5262	**Membrane filtration-enterococcal selective agar** acc. to Slanetz and Bartley for microbiology (41.4 g for 1 litre of culture medium)	1.8	0042/41.4 g 500 g 10 x 500 g	5.— 37.50 35.—	
8335	**Membrane filtration-glucose peptone agar** acc. to Sabouraud for microbiology (37 g for 1 litre of culture medium)	2.1	37 g 500 g 10 x 500 g	3.75 22.50 21.50	
7885	**Membrane filtration-standard nutrient agar** for microbiology (30 g for 1 litre of culture medium)	1.9	30 g 500 g 10 x 500 g	3.75 27.50 26.50	

Menadiol diacetate see 1,4-Diacetoxy-2-methylnaphthalene

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5793	**Menadione** (vitamin K_3, oil-soluble) for biochemistry (LAB) $C_{11}H_8O_2$ MW 172.19 TYPE ANALYSIS: Assay (on anhydrous substance) . . . . 98.5% Melting-range . . . 105–107° C Water (acc. to Karl Fischer) . . . . . 0.3% Sulfated ash 0.1%	4	100 g	11.50	
500973	**Menadione** (vitaminK_3, oil-soluble) DAB 7, BP 1963, USP XVII $C_{11}H_8O_2$ MW 172.19 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	4	250 g 1 kg 5 kg 25 kg	prices on application	
5794	**Menadione sodium bisulfite** (vitamin K_3, water-soluble) for biochemistry (LAB) $C_{11}H_9NaO_5S \cdot x\,H_2O$ MW 276.25 (anhydrous) TYPE ANALYSIS: Assay (on anhydrous substance) . . . 94% 1,4-Dihydroxy-2-methyl-naphthalene-3-sulfonate . . . . passes test Chromium (Cr) . . . 0.005% Water (acc. to Karl Fischer) 11–16%	2.3	100 g	10.50	
01037	**Menadione sodium bisulfite** (vitamin K_3 water-soluble) feed grade $C_{11}H_9NaO_5S \cdot x\,H_2O$ MW 276.25 (anhydrous)		100/ 1 kg 500/ 5 kg 25 kg	prices on application	
500967	**Menadione sodium bisulfite** (vitamin K_3, water-soluble) BP 1963, Ph Ned VI, USP XVI $C_{11}H_9NaO_5S \cdot x\,H_2O$ MW 276.25 (anhydrous) Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2.3	250 g 1 kg 5 kg 25 kg	prices on application	
5995	**Menthol** cryst. DAB 7, BP 1968, USP XVII $C_{10}H_{20}O$ MW 156.27	2.2	100 g 250 g 1 kg	10.50 22.50 74.—	
5992	**Mephenesin** [3-(2-methylphenoxy)-1,2-propanediol] BPC 1954 $C_{10}H_{14}O_3$ MW 182.22	2.8	250 g 1 kg 50 kg	9.— 30.50	23.75

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
500559	**Mephobarbital** (5-ethyl-1-methyl-5-phenylbarbituric acid) DAB 7 $C_{13}H_{14}N_2O_3$ MW 246.27	1.3		100 g 1 kg 5 kg	9.— 75.— 368.—	
6142	**Meprobamate** (2-methyl-2-propyl-1,3-propanediol dicarbamate) $C_9H_{18}N_2O_4$ MW 218.25	2.2	P	500 g 1 kg 5 kg 50 kg	11.— 20.— 85.—	15.60
	Merbromin see Mercuridibromfluorescein					
	Mercaptoacetic acid see Thioglycollic acid					
	3-Mercapto-2-aminopropionic acid hydrochloride see L(+)Cysteinium chloride					
743	**2-Mercaptobenzoic acid** for synthesis (ORG) $C_7H_6O_2S$ MW 154.19	1	P	25 g	7.60	
5996	**2-Mercaptobenzothiazole** GR (reagent for cadmium, copper etc.) $C_7H_5NS_2$ MW 167.25 CERTIFICATE OF GUARANTEE: Assay . . . . . min. 99% Melting-point . . . 181–183° C Sulfated ash . . . max. 0.1% Suitability for determination of metals . . . passes test	1.7	P	25 g	8.50	
5740	**2-Mercaptoethanol** for synthesis (LAB) C_2H_6OS MW 78.13 1 l = 1.11 kg			100 ml 250 ml	6.10 12.25	
5742	**6-Mercaptopurine** for biochemistry (LAB) $C_5H_4N_4S$ MW 152.18 TYPE ANALYSIS: Assay of N (on dried substance) . . . . . 36% Melting-range about 310–320° C Loss on drying (140° C, 4 hours) . . . . . 11 % Sulfated ash 0.2%	2.5		1 g	8.	
	2-Mercaptopyridine see 2-Pyridinethiol					
3970 0001	**Merckofix**® spray fixative for cytodiagnostic purposes			spray can (cont. about 65 ml)	7.	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Merckogel® OR types* (= for use with organic eluents) for gel chromatography				
9377	**Merckogel® type OR 500** particle size (dry) 0.020–0.055 mm (about 270–600 mesh ASTM)		P 25 g 250 g 1 kg	22.50 180.— 650.—	
9375	**Merckogel® type OR 2000** particle size (dry) 0.020–0.055 mm (about 270–600 mesh ASTM)		P 25 g 250 g 1 kg	22.50 180.— 650.—	
9373	**Merckogel® type OR 6000** particle size (dry) 0.020–0.055 mm (about 270–600 mesh ASTM)		P 25 g 250 g 1 kg	22.50 180.— 650.—	
9374	† **Merckogel® type OR 6000** particle size (dry) less than 0.030 mm (more than 500 mesh ASTM)		P 25 g 250 g	22.50 180.—	
9371	**Merckogel® type OR 20 000** particle size (dry) 0.020–0.055 mm (about 270–600 mesh ASTM)		P 25 g 250 g 1 kg	22.50 180.— 650.—	
9369	**Merckogel® type OR 80 000** particle size (dry) 0.020–0.055 mm (about 270–600 mesh ASTM)		P 25 g 250 g 1 kg	26.50 220.— 800.—	

* The figures in the type designation of the OR series stand for the respective exclusion limits, in molecular weight units, with reference to oligophenylenes and linear polystyrenes in tetrahydrofuran.

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Merckogel® SI types (silica gel)**					
9386	**Merckogel® type SI 50** particle size 0.075–0.125 mm (120–200 mesh ASTM)	2.2	P	50 g 250 g	17.50 70.—	
9385	**Merckogel® type SI 50** particle size 0.036–0.075 mm (200–400 mesh ASTM)	2	P	50 g 250 g	17.50 70.—	
9380	**Merckogel® type SI 150** particle size 0.075–0.125 mm (120–200 mesh ASTM)	2	P	50 g 250 g	17.50 70.—	
9379	**Merckogel® type SI 150** particle size 0.036–0.075 mm (200–400 mesh ASTM)	2	P	50 g 250 g	17.50 70.—	
9382	**Merckogel® type SI 500** particle size 0.075–0.125 mm (120–200 mesh ASTM)	2	P	50 g 250 g	17.50 70.—	
9381	**Merckogel® type SI 500** particle size 0.036–0.075 mm (200–400 mesh ASTM)	2	P	50 g 250 g	17.50 70.—	
9384	**Merckogel® type SI 1000** particle size 0.075–0.125 mm (120–200 mesh ASTM)	2	P	50 g 250 g	17.50 70.—	
9383	**Merckogel® type SI 1000** particle size 0.036–0.075 mm (200–400 mesh ASTM)	2	P	50 g 250 g	17.50 70.—	

** The figures in the type designation of the SI series stand for the approx. mean pore diameter of the silica gel support, measured in A.

Merckogel HY types
(for use with aqueous or hydrophilic eluents)

being prepared

		Volume	Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
			DM	DM
3971 0001	† **Merckoglas**® Liquid coverglass for microscopy		tube 100 ml 6.50	
[illegible] 0001	•I• **Merckoglas**® Liquid coverglass for microscopy		spray can [illegible]	
3973	**Merckoglas**® Liquid coverglass for microscopy	1 l = 0.98 kg	glass bottle 500 ml 22.50	
0002 0001	**Merckoquant**® Co^{++} Test Rapid test for the detection and semi-quantitative determination of Cobalt(II) ions			
10003/0001	**Merckoquant**® $Cu^{+/++}$ Test Rapid test for the detection and semi-quantitative determination of Copper ions			
10004/0001	**Merckoquant**® Fe^{++} Test Rapid test for the detection and semi-quantitative determination of Iron(II) ions		1 box (100 sticks) [illegible] 10 boxes [illegible] 50 boxes [illegible]	
0008 0001	**Merckoquant**® Fixing-bath Test Rapid test for fixing baths for determination of the fixing capacity and semi-quantitative determination of Silver(I) ions			
0005 0001	**Merckoquant**® Mn^{++} Test Rapid test for the detection and semi-quantitative determination of Manganese(II) ions			
[illegible]	**Merckoquant**® Ni^{++} Test Rapid test for the detection and semi-quantitative determination of Nickel(II) ions			

Merckotest® reagent kits

		Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
3305 0001	**Merckotest® Acid phosphatase** for photometric determination of acid phosphatase in serum Stable at least 1 year at room temperature (+ 15 to + 25° C)	pack for 50 determinations		
3304 0001	**Merckotest® Alkaline phosphatase** for photometric determination of alkaline phosphatase in serum Stable at least 1 year at room temperature (+ 15 to + 25° C)	pack for 100 determinations		
3314 0001	**Merckotest® Alkaline phosphatase** (kinetic method) for photometric determinations of alkaline serum phosphatase Stable at least 1 year when stored in a refrigerator (0 to + 4° C)	pack for 50 determinations		
3301 0001	**Merckotest® α-Amylase** for photometric determination of α-amylase in serum or urine Stable at least 1 year when stored in a refrigerator (0 to + 4° C)	pack for 30 macro- or 300 micro-determinations		
3333 0001	**Merckotest® Bilirubin** for photometric determination of bilirubin (total and direct bilirubin) in serum and plasma Stable at least 1 year at room temperature (+ 15 to + 25° C)	pack for 50 determinations	prices on application	
3322 0001	**Merckotest® Blood sugar** (GOD method) for photometric determination of the glucose content in whole blood, serum or plasma Stable at least 1 year when stored in a refrigerator (0 to + 4° C)	pack for 60 macro- or 100 micro-determinations		
3328 0001		pack for 600 macro- or 1000 micro-determinations		
3306 0001	•I• **Merckotest® Blood sugar** (o-toluidine method) for photometric determination of the glucose content in whole blood, plasma, serum or liquor	pack for 100 determinations		
3335 0001	Stable at least 1 year at room temperature (+ 15 to + 25° C)	pack for 500 determinations		
3350 0001	**Merckotest® Blood sugar** (o-Toluidine without acetic acid) for photometric determination of the glucose content in whole blood, plasma, serum or urine	pack for 100 determinations		
3353 0001	Stable at least 1 year when stored in a refrigerator (+ 4 to + 15° C)	pack for 500 determinations		

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Merckotest® reagent kits				
111 0001	**Merckotest® Chloride** for titrimetric determination of the chloride content in serum, urine and other body fluids Stable at least 1½ years at room temperature (+ 15 to + 25° C)		pack for 100 determinations		
317 0001 •I•	**Merckotest® Cholesterol** acc. to Liebermann-Burchard for photometric determination of serum total cholesterol Stable at least 1½ years at room temperature (+ 15 to + 25° C)		pack for 60 determinations		
337/0001	**Merckotest® Cholinesterase** (kinetic method) for photometric determination of cholinesterase in serum and plasma Stable at least 1 year when stored in a refrigerator (0 to + 4° C)		pack for 3 x 40 determinations		
310/0001	**Merckotest® Cholinesterase** Reagent paper and test plate for rapid determinations of serum and plasma cholinesterase Stable at least 1 year when stored in a refrigerator (0 to + 4° C)		pack for 50 determinations	prices on application	
319 0001	**Merckotest® Copper** for photometric determination of copper in serum Stable at least 1 year at room temperature (+ 15 to + 25° C)		pack for 30–80 determinations		
323/0001	**Merckotest® GOT** (UV method) for photometric determination of the glutamate-oxalacetate transaminase in serum Stable at least 1 year when stored in a refrigerator (0 to + 4° C)		pack for 40–50 determinations		
329 0001			pack for 200–250 determinations		
302 0001	**Merckotest® GOT/GPT** for determination of glutamate-oxalacetate transaminase and glutamate-pyruvate transaminase in serum Stable at least 1 year at room temperature (+ 15 to + 25° C)		pack for 25 determinations		

		Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Merckotest® reagent kits			
3324 0001 3330 0001	**Merckotest® GPT** (UV method) for photometric determination of the glutamate-pyruvate-transaminase in serum Stable at least 1 year when stored in a refrigerator (0 to + 4° C)	pack for 40–50 determinations pack for 200–250 determinations		
3332 0001	**Merckotest® GPT** (optimum UV method) for photometric determination of the glutamate-pyruvate transaminase in serum (optimal substrate concentration) Stable at least 1 year when stored in a refrigerator (0 to + 4° C)	pack for 40–50 determinations		
3317 0001	**Merckotest® Hemoglobin** for photometric determination of hemoglobin in blood Stable at least 1 year at room temperature (+ 15 to + 25° C)	pack for 350 determinations		
3298 0001	**Hemiglobin cyanide standard solutions** acc. to GIM (for Merckotest®-Hemoglobin) Stable up to expiration date given on package when stored in a refrigerator (0 to + 4° C)	pack for 6 x 5 ml		
3308 0001	**Merckotest® α-Hydroxybutyrate dehydrogenase** (HBDH) for photometric determination of α-hydroxybutyrate dehydrogenase in serum Stable at least 1 year when stored in a refrigerator (0 to + 4° C)	pack for 50 determinations		
3331 0001	**Merckotest® Inorganic phosphate** for photometric determination of the inorganic phosphate in serum, urine and other body fluids Stable at least 1 year at room temperature (+ 15 to + 25° C)	pack 50–100 determinations		
3307 0001	**Merckotest® Iron** for photometric determination of the iron content in serum Stable at least 1½ years at room temperature (+ 15 to + 25° C)	pack for 100–200 determinations		

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Merckotest® reagent kits				
0313 0001	**Merckotest® Iron binding capacity** (free IBC and total IBC) for photometric determinations of serum iron binding capacity Stable at least 1½ years at room temperature (+ 15 to + 25° C)		pack for 100 determinations		
0303 0001	**Merckotest® LDH** for photometric determination of lactate dehydrogenase in serum Stable at least 1 year when stored in a refrigerator (0 to + 4° C)		pack for 50 determinations		
0338 0001	**Merckotest® Magnesium** for photometric determination of the magnesium content in serum, urine and other body fluids Stable at least 1½ years at room temperature (+ 15 to + 25° C)		pack for about 100 determinations		
0326 0001	**Merckotest® PKU** (Guthrie method) for the detection of phenylketonuria Stable at least 1 year at room temperature (+ 15 to + 25° C)		pack for 200 determinations		
0320 0001	**Merckotest® Takata** for 50 nephelometric determinations Stable at least 1 year at room temperature (+ 15 to + 25° C)		pack for 50 determinations		
0309 0001	**Merckotest® Thymol turbidity test** acc. to Reinhold reagent kit and turbidity standard for 150 nephelometric determinations or 320 visual tests Stable at least 1 year at room temperature (+ 15 to + 25° C)		pack for 150 determinations		
0347 0001	**Merckotest® Thymol turbidity test-solution ready for use** for about 250 nephelometric evaluations or 600 visual tests Stable at least 1 year at room temperature (+ 15 to + 25° C)		pack for 250 determinations		
0357 0001	**Merckotest® TLC phenylalanine and leucine** for 144 TLC tests for the detection of increased concentration of phenylalanine, leucine, *iso*-leucine, methionine, valine and tyrosine in plasma Stable at least 1 year at room temperature (+ 15 to + 25° C)		pack for 144 determinations		

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Merckotest® reagent kits				
3345/0001 •|•	**Merckotest® TLC Plasma amino acids** for 60 thin-layer chromatography determinations in the detection of abnormal plasma amino acid levels Stable at least 1 year at room temperature (+ 15 to + 25° C)		pack for 60 determinations		
3346 0001	**Basic outfit for Merckotest® TLC** consisting of: 2 chromatography chambers with glass cover plates, 1 applicator, 1 pr. of tweezers, 1 glass cutter		pack		
3321 0001	**Merckotest® Total lipids** for photometric determinations of the total lipid content in serum Stable at least 1 year at room temperature (+ 15 to + 25° C)		pack for 50–150 determinations		
				prices on application	
3327 0001	**Merckotest® Total protein** (biuret method) for photometric determination of the total protein in serum or plasma Stable at least 1 year at room temperature (+ 15 to + 25° C)		pack for 100–180 determinations		
3334 0001	**Merckotest® Urea** (Berthelot reaction) for photometric determination of urea in serum or urine (BUN) Stable at least 1 year when stored in a refrigerator (0 to + 4° C)		pack for 70 determinations		
3341/0001 •|•	**Merckotest® Urea (DAM method)** for photometric determination of urea Stable at least 1 year when stored in a refrigerator (0 to + 4° C)		pack for 60 determinations		

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Merck-1-Test® reagent kits				
[illegible]	**Merck-1-test® Alkaline phosphatase** (kinetic method) for 15 photometric 1-Test determinations of alkaline phosphatase Stable at least 1 year when stored in a refrigerator (0 to + 4° C)		pack for 15 determinations		
[illegible]	**Merck-1-Test® Cholinesterase** (kinetic method) for 12 photometric 1-Test determinations of serum or plasma cholinesterase Stable at least 1 year when stored in a refrigerator (0 to + 4° C)		pack for 12 determinations		
[illegible]	**Merck-1-Test® GOT** (UV method) for 12 photometric 1-Test determinations of serum glutamate-oxalacetate transaminase Stable at least 1 year when stored in a refrigerator (0 to + 4° C)		pack for 12 determinations	prices on application	
[illegible]	**Merck-1-Test® GPT** (UV method) for 12 photometric 1-Test determinations of serum glutamate-pyruvate transaminase Stable at least 1 year when stored in a refrigerator (0 to + 4° C)		pack for 12 determinations		
[illegible]	**Merck-1-Test® HBDH** (UV method) for 12 photometric 1-Test determinations of serum α-hydroxy-butyrate dehydrogenase Stable at least 1 year when stored in a refrigerator (0 to + 4° C)		pack for 12 determinations		
[illegible]	**Merck-1-Test® LDH** (UV method) for 12 photometric 1-Test determinations of serum lactate dehydrogenase Stable at least 1 year when stored in a refrigerator (0 to + 4° C)		pack for 12 determinations		

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Mercuric salts see Mercury(II) salts				
5997	**Mercuridibromfluorescein** (2,7-dibromo-4-hydroxymercurifluorescein disodium salt)	0.75	100 g 1 kg	11.— 85.—	
	Mercurous salts see Mercury(I) salts				
4404	**Mercury Suprapur**® Hg AW 200.59		special bottle 250 g 1 kg 4 x 1 kg	 63.— 210.— 205.—	
4403	**Mercury** GR and for polarography Hg AW 200.59 CERTIFICATE OF GUARANTEE: Silver (Ag) . . max. 0.0001 % Lead (Pb) . . . max. 0.00005% Copper (Cu) . . max. 0.00005% Nickel (Ni) . . . max. 0.00005% Iron (Fe) . . . . max. 0.0001 % Manganese (Mn) max. 0.00005% Cadmium (Cd) . max. 0.00005% Zinc (Zn) . . . max. 0.00005% Thallium(Tl) . . max. 0.00005%	0.08	special bottle 250 g 1 kg 4 x 1 kg	 36.25 139.— 134.—	
4401	**Mercury** extra pure DAB 6, Cod Franç 1949, NF X, Ph Internat I Hg AW 200.59	0.08	special bottle 250 g 1 kg 4 x 1 kg	 33.75 132.— 127.—	
4410	**Mercury(II) acetate** GR $(CH_3COO)_2Hg$ MW 318.68 CERTIFICATE OF GUARANTEE: Assay of $(CH_3COO)_2Hg$ min. 99% Substances insoluble in dilute acetic acid . . . . . max. 0.01 % Chloride (Cl) . . max. 0.005 % Sulfate (SO_4) . . max. 0.005 % Total nitrogen (N) . . . . . max. 0.005 % Silver (Ag) . . . max. 0.0005% Lead (Pb) . . . . max. 0.001 % Copper (Cu) . . max. 0.0005% Nickel (Ni) . . . max. 0.0005% Cadmium (Cd) . . max. 0.0001% Zinc (Zn) . . . . max. 0.0001% Iron (Fe) . . . . max. 0.0005% Mercury(I) (as Hg) . . . . max. 0.3 % Residue on ignition (as sulfates) . max. 0.02 %	1.1	P 100 g 250 g 1 kg	 15.25 34.75 122.—	
4408	**Mercury(II) acetate** pure $(CH_3COO)_2Hg$ MW 318.68	1.1	P 100 g 250 g 1 kg	 12.75 27.25 100.—	
4412	**Mercury(II) amidochloride** fine powder DAB 6, BP 1968, Ph Internat I, Ph Ned VI, USP XVII $Hg(NH_2)Cl$ MW 252.07	1.4	P 100 g 250 g 1 kg 5 kg	 13.75 33.25 114.— 538.—	

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		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Mercury(II) barium iodide solution see Rohrbach's solution					
4421	**Mercury(II) bromide** GR (reagent for arsenic) $HgBr_2$ MW 360.41 CERTIFICATE OF GUARANTEE: Assay of $HgBr_2$ min. 99.5% Iron (Fe) . . . . max. 0.005 % Arsenic (As) . . max. 0.0005% Residue on ignition (as sulfates) . . max. 0.02%	0.4	P	100 g 250 g	18.25 41.—	
	Mercury(II) chloranilate see Chloranilic acid mercury(II) salt					
4425	**Mercury(I) chloride** (calomel) GR Hg_2Cl_2 MW 472.09 CERTIFICATE OF GUARANTEE: Assay of Hg_2Cl_2 . min. 99.6% Total nitrogen (N) max. 0.005 % Silver (Ag) . . . max. 0.0005% Lead (Pb) . . . max. 0.001 % Copper (Cu) . . max. 0.0005% Nickel (Ni) . . . max. 0.0005% Cadmium (Cd) . max. 0.0005% Zinc (Zn) . . . . max. 0.0005% Iron (Fe) . . . . max. 0.001 % Mercury(II) (as Hg) . . . . max. 0.01 % Residue on ignition (as sulfates) . max. 0.02 %	0.4	P	25 g 100 g 250 g 1 kg	6.10 18.— 42.— 151.—	
4422	**Mercury(I) chloride** (calomel) sublimed DAB 7, Cod Franç 1965, NF XII, Ph Internat I Hg_2Cl_2 MW 472.09	0.4	P	100 g 250 g 1 kg 5 kg	14.75 34.25 121.— 573.—	
4419	**Mercury(II) chloride** GR $HgCl_2$ MW 271.50 CERTIFICATE OF GUARANTEE: Assay of $HgCl_2$ min. 99.5% Total nitrogen (N) max. 0.005 % Silver (Ag) . . . max. 0.0005% Lead (Pb) . . . max. 0.001 % Nickel (Ni) . . . max. 0.0005% Copper (Cu) . . max. 0.001 % Cadmium (Cd) . max. 0.0005% Zinc (Zn) . . . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Mercury(I) chloride (Hg_2Cl_2) . . . max. 0.05 % Residue on ignition (as sulfates) . max. 0.02 %	0.5	P	100 g 250 g 1 kg 2½ kg	15.— 34.75 123.— 289.—	
4416	**Mercury(II) chloride** lumps BPC 1968, NF XII $HgCl_2$ MW 271.50	0.4	P	250 g 1 kg 5 kg	28.50 100.— 468.—	
4417	**Mercury(II) chloride** fine cryst. DAB 7, BPC 1968, Cod Franç 1965, NF XII, Ph Internat I $HgCl_2$ MW 271.50	0.5	P	100 g 250 g 1 kg 5 kg	12.25 28.50 100.— 468.—	
4418	**Mercury(II) chloride** recryst. $HgCl_2$ MW 271.50	0.4	P	100 g 250 g 1 kg 5 kg	13.25 30.— 109.— 510.—	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Mercury(II) chloride ammoniated see Mercury(II) amidochloride					
4430	**Mercury(II) cyanide** cryst. DAB 6, Cod Franç 1965 $Hg(CN)_2$ MW 252.63	0.5	(P)	100 g 250 g 1 kg	15.75 36.75 132.—	
4432	**Mercury(I) iodide** yellow Erg B 6, NF X Hg_2I_2 MW 655.00	0.7	(P)	25 g 100 g 1 kg	5.— 14.25 116.—	
4428	**Mercury(II) iodide** red GR HgI_2 MW 454.40 CERTIFICATE OF GUARANTEE: Assay of HgI_2 . . min. 99% Substances insoluble in potassium iodide solution . . . . passes test Silver (Ag) . . . max. 0.0005% Lead (Pb) . . . . max. 0.001 % Iron (Fe) . . . . max. 0.0005% Zinc (Zn) . . . . max. 0.0002% Mercury(I) (as Hg) . . . . max. 0.1 % Soluble mercury compounds (as Hg) . . . . max. 0.05 % Residue on ignition (as sulfates) . . max. 0.02 %	0.6	(P)	25 g 100 g 250 g	5.25 14.50 33.75	
4420	**Mercury(II) iodide** red DAB 6, BPC 1954, NF XI HgI_2 MW 454.40	0.6	(P)	100 g 250 g 1 kg 5 kg	11.75 27.25 95.— 447.—	
4437	**Mercury(I) nitrate** GR $Hg_2(NO_3)_2 \cdot 2\,H_2O$ MW 561.22 CERTIFICATE OF GUARANTEE: Assay of $Hg_2(NO_3)_2 \cdot 2\,H_2O$ . . . . min. 97% Chloride (Cl) . . max. 0.005 % Sulfate (SO_4) . max. 0.005 % Silver (Ag) . . . max. 0.0005% Lead (Pb) . . . . max. 0.001 % Copper (Cu) . . . max. 0.0005% Nickel (Ni) . . . max. 0.0005% Cadmium (Cd) . max. 0.0005% Zinc (Zn) . . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Mercury(II) (as Hg) . . . . max. 2.5 % Residue on ignition (as sulfates) . max. 0.02 %	0.4	(P)	25 g 100 g 250 g 1 kg	5.25 14.50 33.25 118.—	
4436	**Mercury(I) nitrate** cryst. $Hg_2(NO_3)_2 \cdot 2\,H_2O$ MW 561.22	0.4	(P)	100 g 250 g 1 kg 5 kg	12.50 27.75 98.— 457.—	

		Volume			Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
					DM	DM
4434	**Mercury(II) nitrate** GR $Hg(NO_3)_2$ MW 324.60 CERTIFICATE OF GUARANTEE: Assay of $Hg(NO_3)_2$ . . . min. 99 % Chloride (Cl) . . max. 0.005 % Sulfate (SO_4) . . max. 0.005 % Silver (Ag) . . . max. 0.0005% Lead (Pb) . . . . max. 0.001 % Copper (Cu) . . max. 0.0005% Nickel (Ni) . . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Cadmium (Cd) . max. 0.0001% Zinc (Zn) . . . . max. 0.0005%	0.5	P	25 g 100 g 250 g	5.— 13.75 31.50	
4435	**Mercury(II) nitrate** Erg B 6 $Hg(NO_3)_2$ MW 324.60	0.5	P	100 g 250 g 1 kg 5 kg	11.25 25.75 92.— 426.—	
9143 •I• *	**0.1 N Mercury(II) nitrate solution**			1 l	7.60	
4466	**Mercury(II) oxide** red GR HgO MW 216.59 CERTIFICATE OF GUARANTEE: Assay of HgO . min. 99% Substances insoluble in hydrochloric acid . . . . . max. 0.03 % Chloride (Cl) . . max. 0.005 % Sulfate (SO_4) . max. 0.005 % Total nitrogen (N) max. 0.005 % Silver (Ag) . . . max. 0.0005% Lead (Pb) . . . . max. 0.001 % Copper (Cu) . . max. 0.0005% Nickel (Ni) . . . max. 0.0005% Cadmium (Cd) . max. 0.0005% Zinc (Zn) . . . max. 0.0005% Iron (Fe) . . . . max. 0.001 % Residue on ignition (as sulfates) . max. 0.03 %	0.2	P	25 g 100 g 250 g 1 kg	6.60 19.50 45.75 162.—	
4467	**Mercury(II) oxide red Selectipur®** HgO MW 216.59	0.2	P	1 kg	price on application	
4465	**Mercury(II) oxide** red DAB 6, Cod Franç 1965, Ph Ned VI HgO MW 216.59	0.2	P	100 g 250 g 1 kg 5 kg	16.— 37.75 132.— 640.—	
4464	**Mercury(II) oxide** red cryst. HgO MW 216.59	0.4	P	100 g 250 g 1 kg 5 kg	16.— 37.75 132.— 640.—	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4461	**Mercury(II) oxide** yellow GR HgO MW 216.59 CERTIFICATE OF GUARANTEE: Assay of HgO . min. 99% Substances insoluble in hydrochloric acid . . . . . max. 0.03 % Chloride (Cl) . . max. 0.005 % Sulfate (SO_4) . max. 0.005 % Total nitrogen (N) max. 0.005 % Silver (Ag) . . . max. 0.001 % Lead (Pb) . . . . max. 0.001 % Copper (Cu) . . max. 0.0005% Nickel (Ni) . . . max. 0.0005% Cadmium (Cd) . . max. 0.0001% Zinc (Zn) . . . max. 0.0005% Iron (Fe) . . . . max. 0.001 % Residue on ignition (as sulfates) . max. 0.03 %	0.5	P	25 g 100 g 250 g 1 kg	6.60 20.— 46.25 166.—	
4460	**Mercury(II) oxide** yellow DAB 6, BPC 1968, NF XII, Ph Internat I HgO MW 216.59	0.5	P	100 g 250 g 1 kg 5 kg	16.50 39.— 137.— 657.—	
4450	**Mercury(II) oxide cyanide** [cont. $Hg(CN)_2$] DAB 6, BPC 1968, Cod Franç 1949, Ph Ned VI	0.8	P	100 g 250 g 1 kg 5 kg	17.25 41.— 147.— 705.—	
	Mercury(II) potassium cyanide see Potassium tetracyanomercurate					
	Mercury(II) potassium iodide solution see Thoulet's solution					
	Mercury(II) rhodanide see Mercury(II) thiocyanate					
4481	**Mercury(II) sulfate** Erg B 6 $HgSO_4$ MW 296.65	0.4	P	100 g 250 g 1 kg 5 kg	13.25 30.50 107.— 505.—	
4477	**Mercury(II) sulfide** red DAB 6 HgS MW 232.65	0.7	P	100 g 250 g 1 kg 5 kg	16.75 39.50 140.— 675.—	
4484	**Mercury(II) thiocyanate** GR $Hg(SCN)_2$ MW 316.75	1.2		25 g 100 g	8.50 24.25	
5964	**Merrifield resin** about 5% chlorine for synthesis (LAB)	2.2	P	25 g 100 g	17.50 47.50	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
6003		**Mescalinium sulfate** for biochemistry (LAB) $C_{22}H_{36}N_2O_{10}S \cdot 2\,H_2O$ MW 556.63 TYPE ANALYSIS: Assay (barium perchlorate titration; on dried substance) . . . 99% Melting-range . . . 185–187° C Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.0005% Water (acc. to Karl Fischer) . . 6–7 % Sulfated ash . . . 0.1 % For this item orders should be accompanied by an official Import Authorisation.	2		1 g	16.25	
		Mesitol see 2,4,6-Trimethylphenol					
5890	•|•	**Mesitylene** for synthesis (ORG) C_9H_{12} MW 120.20 1 l = 0.86 kg			250 ml	10.50	
5791	•|•	**Mesityl oxide** for synthesis (ORG) $C_6H_{10}O$ MW 98.15 1 l = 0.86 kg			1 l	7.10	
		Mesyl chloride see Methanesulfonyl chloride					
5998		**Metachrome yellow** (C. I. No. 14 025, S. No. 55) for bacteriology	1.5		25 g 100 g	7.50 23.—	
577		**Metanilic acid** for synthesis (ORG) $C_6H_7NO_3S$ MW 173.19	1.5		1 kg	14.75	
		Metaphosphoric acid see *meta*-Phosphoric acid					
5792		**Methacrylamide** for synthesis (ORG) C_4H_7NO MW 85.11	5		250 g	9.–	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
578	**Methacrylic acid** for synthesis (ORG) stabilised with 200 ppm hydroquinone $C_4H_6O_2$ MW 86.09	1 l = 1.02 kg	250 ml	7.—	
5895	**Methacrylonitrile** for synthesis (ORG) stabilised with 35–45 ppm monoethyl hydroquinone C_4H_5N MW 67.09	1 l = 0.79 kg	aluminium bottle 500 ml	17.—	
5905	**Methallyl chloride** for synthesis (ORG) C_4H_7Cl MW 90.55	1 l = 0.93 kg	500 ml	13.75	
6021	**Methanesulfonyl chloride** for synthesis (LAB) CH_3SO_2Cl MW 114.55	1 l = 1.46 kg	100 ml 1 l	8.— 58.—	
6009	**Methanol** GR CH_3OH MW 32.04	1 l = 0.79 kg	1 l 2½ l standard box 30 x 1 l 4 x 30 x 1 l 8 x 2½ l 8 x 8 x 2½ l 45 kg 5 x 45 kg	4.50 9.50 1 l 4.25 1 l 4.10 2½ l 9.— 2½ l 8.75	3.20 3.10

TYPE ANALYSIS:

Assay (gas chromatographic)	95%	Refractive index ($n_D^{20°}$)	1.450–1.455
d 20°/4°	1.460–1.470	Boiling-range (90%, 12 mm)	51–54 °C

CERTIFICATE OF GUARANTEE:

Assay (gas chromatographic)	min. 99.5%	Iron (Fe)	max. 0.00001 %
Free acid (as HCOOH)	max. 0.002 %	Manganese (Mn)	max. 0.000001%
Free alkali (as NH_3)	max. 0.0001 %	Zinc (Zn)	max. 0.000001%
Fractional distillation range		Magnesium (Mg)	max. 0.00001 %
1–95 ml	max. 0.5° C	Readily-carbonisable substances	passes test
95 ml – dryness	max. 0.5° C	Substances reducing $KMnO_4$ (as O)	max. 0.00025 %
Chloride (Cl)	max. 0.00005 %	Ethanol	max. 0.1 %
Lead (Pb)	max. 0.000001%	Acetone	max. 0.01 %
Copper Cu)	max. 0.000001%	Formaldehyde	max. 0.0001 %
Nickel (Ni)	max. 0.000005%	Water	max. 0.05 %
Cobalt (Co)	max. 0.000005%	Non-volatile substances	max. 0.001 %

		Volume	Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
			DM	DM
6012	**Methanol** dried (max. 0.01% H_2O) GR CH_3OH MW 32.04	1 l = 0.79 kg	1 l 2.75 l	6.25 13.75

CERTIFICATE OF GUARANTEE:

Assay (gas chromatographic)	min. 99.5%	Zinc (Zn)	max. 0.000001%
Free acid (as HCOOH)	max. 0.002 %	Magnesium (Mg)	max. 0.00001 %
Free alkali (as NH_3)	max. 0.0003 %	Readily-carbonisable substances	passes test
Chloride (Cl)	max. 0.00005 %	Ethanol	max. 0.1 %
Lead (Pb)	max. 0.000001%	Acetone	max. 0.01 %
Copper Cu)	max. 0.000001%	Formaldehyde	max. 0.0001 %
Nickel (Ni)	max. 0.000005%	Substances reducing $KMnO_4$ (as O)	max. 0.00025 %
Cobalt (Co)	max. 0.000005%	Water	max. 0.05 %
Iron (Fe)	max. 0.00001 %	Non-volatile substances	max. 0.001 %
Manganese (Mn)	max. 0.000001%		

6011	**Methanol** for pesticide residue analysis CH_3OH MW 32.04	1 l = 0.79 kg	1 l	7.—
6000	**Methanol** for fluorometry CH_3OH MW 32.04	1 l = 0.79 kg	1 l	17.50
6002	**Methanol** for spectroscopy **Uvasol**® CH_3OH MW 32.04	1 l = 0.79 kg	500 ml 2½ l	6.75 25.25

CERTIFICATE OF GUARANTEE:

Suitability for UV spectroscopy (1-cm cell; reference : water)
Transmittance at

210 nm	min. 20%
220 nm	min. 50%
230 nm	min. 75%
270 nm	100%

Suitability for IR spectroscopy passes test

6004	**Methanol Selectipur**® CH_3OH MW 32.04	1 l = 0.79 kg	45 kg	price on application
6010	**Methanol** scintillation grade CH_3OH MW 32.04	1 l = 0.79 kg	250 ml 1 l	6.60 19.—

		Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packa fob incl. pac Prices per DM
6008	**Methanol** extra pure (max. 0.001% acetone) CH_3OH MW 32.04 1 l = 0.79 kg TYPE ANALYSIS: Assay (gas chromatographic) . 99% d 20°/4° . . . . . 0.790–0.792 Refractive index ($n_D^{20°}$) . . . . 1.3280–1.3295 Boiling-range (95%) 64.5–65.5° C Acetone . . . . . 0.001% Chloride (Cl) . . . . 0.0001% Sulfate (SO_4) . . . . 0.0003% Heavy metals (as Pb) . 0.0005% Water (acc. to Karl Fischer) . . . 0.1 % Non-volatile substances . . . . 0.002 %		1 l 3.50 2½ l 7.— **standard box** 30 x 1 l (1 l) 3.30 4 x 30 x 1 l (1 l) 3.20 8 x 2½ l (2½ l) 6.50 8 x 8 x 2½ l (2½ l) 6.25 45 kg	2.25
6006	**Methanol** pure Erg B 6 CH_3OH MW 32.04 1 l = 0.79 kg		1 l 3.50 2½ l 7.— **standard box** 30 x 1 l (1 l) 3.30 4 x 30 x 1 l (1 l) 3.20 8 x 2½ l (2½ l) 6.50 8 x 8 x 2½ l (2½ l) 6.25 30 kg 50 kg	2.— 1.90
	Methanol-d see Monodeuteromethanol			
	Methanol-d_4 see Tetradeuteromethanol			
501854	**Methaqualone** [3,4-dihydro-2-methyl-3-o-tolyl-4-quinazolinone] $C_{16}H_{14}N_2O$ MW 250.30	2.6	1 kg 5 kg 25 kg	prices on application
501866	**Methaqualone hydrochloride** [3,4-dihydro-2-methyl-3-o-tolyl-4-quinazolinone hydrochloride] $C_{16}H_{15}ClN_2O$ MW 286.76	2.2	1 kg 5 kg 25 kg	prices on application
6033	D-**Methionine** for biochemistry (LAB) $C_5H_{11}NO_2S$ MW 149.21	2	5 g 20.	
5707	L(−)**Methionine** for biochemistry (LAB) $C_5H_{11}NO_2S$ MW 149.21 TYPE ANALYSIS: Assay (perchloric acid titration; on dried substance) . . . 99% Melting-range . . . 275–285° C Specific rotation ($[\alpha]_D^{20°}$; c = 5, 3N HCl) . . +22.5° to +25° Chloride (Cl) . . . 0.001 % Sulfate (SO_4) . . . . 0.01 % Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.001 % Ammonium (NH_4) . . 0.0005% Sulfated ash . . . . 0.1 % Water (acc. to Karl Fischer) . . . 1 %	5	25 g 7.50 100 g 22.50 1 kg price on application	

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		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
00986	**DL-Methionine** DAB 7, Cod Franç 1965, NF XII $C_5H_{11}NO_2S$ MW 149.21 TYPE ANALYSIS: Assay (perchloric acid titration; on dried substance) . . . 99% Melting-range . . . 265-275° C Chloride (Cl) . . . 0.001 % Sulfate (SO_4) . . . 0.02 % Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.001 % Ammonium (NH_4) . . 0.0005% Sulfated ash . . . . 0.1 % Water (acc. to Karl Fischer) . . . 0.5 % Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2		250 g 1 kg 5 kg 25 kg 50 kg	5.50 15.— 68.75 prices on application	
00644	**DL-Methionine** feed grade $C_5H_{11}NO_2S$ MW 149.21	2		5 kg 50 kg	prices on application	
5702	**L-Methionine methyl ester hydrochloride** for synthesis (LAB) $C_6H_{14}ClNO_2S$ MW 199.70	2		5 g	9.50	
	DL-Methionine methyl sulfonium chloride see DL-S-Methylmethionine sulfonium chloride					
	Methone see Dimedone					
7059	**Methoxalic anhydride** for synthesis (LAB) $C_6H_6O_7$ MW 190.11	1		50 g	30.50	
1003	**Methoxyacetonitrile** for synthesis (ORG) C_3H_5NO MW 71.08 1 l = 0.94 kg			10 ml	17.75	
5795	**4-Methoxyacetophenone** for synthesis (ORG) $C_9H_{10}O_2$ MW 150.18			100 g	7.50	
	4-Methoxy-4'-amino-diphenylammonium chloride see Variamine® blue					
	2-Methoxyaniline see *o*-Anisidine					
	3-Methoxyaniline see *m*-Anisidine					
	4-Methoxyaniline see *p*-Anisidine					

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packin Prices per kg DM
5796	**3-Methoxybenzaldehyde** for synthesis (ORG) $C_8H_8O_2$ MW 136.15	1 l = 1.11 kg	25 ml	10.50	
	4-Methoxybenzaldehyde see Anisaldehyde				
5971	**4-Methoxybenzoic acid** for synthesis (ORG) $C_8H_8O_3$ MW 152.15		100 g	10.50	
	4-Methoxybenzyl alcohol see Anise alcohol				
	2-(Methoxy)-ethanol see Ethylene glycol monomethyl ether				
6061	**2-Methoxyethyl acetate** for synthesis (ORG) $C_5H_{10}O_3$ MW 118.13	1 l = 1.00 kg	1 l	8.—	
5908	**2-Methoxyethylamine** for synthesis (ORG) C_3H_9NO MW 75.11	1 l = 0.86 kg	250 ml	12.50	
5213	**2-Methoxy-4-methylaniline** for synthesis (ORG) $C_8H_{11}NO$ MW 137.18	1	100 g	7.50	
5212	**4-Methoxy-2-methylanilinium bromide** for synthesis (ORG) $C_8H_{12}BrNO$ MW 218.10		100 g	12.25	
	Methoxymethyl cyanide see Methoxyacetonitrile				
6226	**2-Methoxy-4-nitroaniline** for synthesis (ORG) $C_7H_8N_2O_3$ MW 168.15		100 g	8.—	
6224	**2-Methoxy-5-nitroaniline** for synthesis (ORG) $C_7H_8N_2O_3$ MW 168.15		100 g	8.—	
6225	**4-Methoxy-2-nitroaniline** for synthesis (ORG) $C_7H_8N_2O_3$ MW 168.15		100 g	8.40	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	2-Methoxyphenol see Guaiacol				
	3-(2-Methoxyphenoxy)-1,2-propanediol see Guaiacol glycerol ether				
744	**3-Methoxyphenylacetic acid** for synthesis (ORG) $C_9H_{10}O_3$ MW 166.18			10 g 17.—	
	1-(4-Methoxyphenyl)-1-propene see Anethole				
	2-Methoxy-4-(1-propenyl)-phenol see Isoeugenol				
5891	**3-Methoxypropionitrile** for synthesis (ORG) C_4H_7NO MW 85.11	1 l = 0.94 kg		250 ml 6.75	
5798	**4′-Methoxypropiophenone** for synthesis (ORG) $C_{10}H_{12}O_2$ MW 164.21	1 l = 1.08 kg		25 ml 7.50	
5800	**3-Methoxypropylamine** for synthesis (ORG) $C_4H_{11}NO$ MW 89.14	1 l = 0.87 kg		1 l 16.25	
6901	**6-Methoxy-1,2,3,4-tetrahydro-1-naphthalenone** for synthesis (ORG) $C_{11}H_{12}O_2$ MW 176.22			25 g 31.50	
	6-Methoxy-1-tetralone see 6-Methoxy-1,2,3,4-tetrahydro-1-naphthalenone				
6026	***N*-Methylacetamide** pur C_3H_7NO MW 73.10 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1 l = 0.94 kg		500 ml 17.75 2½ l 74.—	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
9711	•I•	**Methyl acetate** for synthesis (LAB) $C_3H_6O_2$ MW 74.08 TYPE ANALYSIS: Assay (gas chromatographic) . . . . 97% d 20°/4° . . . . . 0.931–0.932 Refractive index ($n_D^{20°}$) . . . . . 1.360–1.362 Boiling-range . . . . 55–57° C Non-volatile substances 0.001%	1 l = 0.93 kg		1 l 2½ l	6.75 14.—	
6060	•I•	**Methyl acetate** $C_3H_6O_2$ MW 74.08	1 l = 0.93 kg		1 l 2½ l	5.25 10.—	
107	•I•	**Methyl acetoacetate** for synthesis (ORG) $C_5H_8O_3$ MW 116.12	1 l = 1.07 kg		1 l	16.75	
841	•I•	**Methyl acrylate** for synthesis (ORG) stabilised with 100 ppm hydroquinone $C_4H_6O_2$ MW 86.09	1 l = 0.95 kg		500 ml 1 l	8.50 15.50	
		α-Methylacrylonitrile see Methacrylonitrile					
		Methylal see Formaldehyde dimethyl acetal					
		Methylaminoacetic see Sarcosine					
		N-Methylaminoacetic see Sarcosine					
		Methylaminocyclohexane see *N*-Methylcyclohexylamine					
5802	•I•	**2-Methylaminoethanol** for synthesis (ORG) C_3H_9NO MW 75.11	1 l = 0.94 kg		1 l 2½	15.25 33.50	
7299		**4-Methylaminophenol sulfate Fotopur®** $C_{14}H_{20}N_2O_6S$ MW 344.39	1.9	P	100 250 1 l 5 l 50 l	5.30 9.50 31.— 142.— price on application	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
6029	•|•	**3-Methylaminopropionitrile** for synthesis (ORG) $C_4H_8N_2$ MW 84.12 1 l = 0.90 kg		100 ml	8.50	
6020		**Methylammonium chloride** for synthesis (LAB) CH_6ClN MW 67.52 TYPE ANALYSIS: Assay (ex N) . . . . . 99.5 % Sulfate (SO_4) . . . . 0.01 % Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.001% Water (acc. to Karl Fischer) . . . . 0.5 % Sulfated ash . . . . . 0.01 %	1.9	250 g 1 kg	7.50 22.—	
		Methylammonium chloride-d_3 see Trideuteromethylammonium chloride				
5931		***l*(+)-*N*-Methylamphetaminium chloride** [*l*(+)-methylamphetamine hydrochloride] DAB 7, BP 1968, NF XI, Ph Ned VI $C_{10}H_{16}ClN$ MW 185.70 For this item orders should be accompanied by an official Import Authorisation.	2	100 g 250 g 1 kg	22.— 53.— 189.—	
3716		**17α-Methyl-5-androstene-3β,17β-diol** (LAB) $C_{20}H_{32}O_2$ MW 304.48	2.5	10 g 100 g	22.— 184.—	
6096	•|•	***N*-Methylaniline** for synthesis (LAB) C_7H_9N MW 107.16 1 l = 0.99 kg TYPE ANALYSIS: Assay (gas chromatographic) . . . . 98% d 20°/4° . . . . . 0.985–0.988 Refractive index ($n_D^{20°}$) . . . . . 1.570–1.572 Boiling-range (95%, 12 mm) . . 78–82° C		1 l	16.—	
		3-Methylaniline see *m*-Toluidine				
466		**Methyl anthranilate** for synthesis (ORG) $C_8H_9NO_2$ MW 151.17 1 l = 1.14 kg		250 ml	16.75	
9620		**Methyl arachate** reference substance for gas chromatography $C_{21}H_{42}O_2$ MW 326.57	2	5 g	21.—	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
		Methylarsonic acid disodium salt see Sodium monomethylarsonate					
1571		***N*-Methylatropinium bromide** Erg B 6 $C_{18}H_{26}BrNO_3$ MW 384.32	2.5	P	10 g 100 g	7.— 62.50	
1572		***N*-Methylatropinium nitrate** BP 1963 $C_{18}H_{26}N_2O_6$ MW 366.42	2	P	10 g 100 g	7.— 62.50	
9625		**Methyl behenate** reference substance for gas chromatography $C_{23}H_{46}O_2$ MW 354.62		P	5 g	15.75	
6179	•I•	**4-Methylbenzaldehyde** for synthesis (ORG) C_8H_8O MW 120.15 1 l = 1.02 kg			100 ml	11.—	
		3-Methylbenzene carbonitrile see *m*-Tolunitrile					
6065	•I•	**Methyl benzoate** for microscopy $C_8H_8O_2$ MW 136.15 1 l = 1.08 kg			250 ml 1 l 2½ l	7.10 22.— 46.25	
6059	•I•	**Methyl benzoate** $C_8H_8O_2$ MW 136.15 1 l = 1.08 kg			1 l 2½ l 50 kg	9.50 20.—	6.30
		Methyl benzoate-d_8 see Methyl octadeuterobenzoate					
		4-Methylbenzonitrile see *p*-Tolunitrile					
		3-Methyl-2-benzthiazolinone hydrazone hydrochloride see 2-Hydrazono-2,3-dihydro-3-methylbenzothiazole hydrochloride					
		α-Methylbenzyl alcohol see 1-Phenylethanol					
		Methylbromide-d_3 see Trideuteromethyl bromide					

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
[illegible]	•|•	**2-Methylbutane** for spectroscopy **Uvasol**® C_5H_{12} MW 72.15	1 l = 0.62 kg	500 ml 1 l	10.— 18.—	
3643	•|•	**2-Methylbutane** reference substance for gas chromatography C_5H_{12} MW 72.15		5 ml	15.75	
6183	•|•	**3-Methyl-2-butanethiol** for synthesis (ORG) $C_5H_{12}S$ MW 104.22	1 l = 0.84 kg	100 ml	23.—	
		Methyl butanoate see Methyl butyrate				
6031	•|•	**2-Methyl-1-butanol** for synthesis (ORG) $C_5H_{12}O$ MW 88.15	1 l = 0.82 kg	500 ml	10.50	
		3-Methyl-1-butanol see *iso*-Amyl alcohol				
6032	•|•	**3-Methyl-2-butanol** for synthesis (ORG) $C_5H_{12}O$ MW 88.15	1 l = 0.81 kg	100 ml	14.50	
		3-Methyl-2-butanone see Methyl *iso*-propyl ketone				
		3-Methylbutanoyl chloride see *iso*-Valeryl chloride				
		cis-Methylbutenedioic acid see Citraconic acid				
6119		**3-Methyl-2-butenoic acid** for synthesis (ORG) $C_5H_8O_2$ MW 100.12	2	100 g	21.—	
		Methyl butyl alcohol see Methylbutanol				
6146	•|•	**Methyl-*iso*-butyl ketone** extraction solvent, analytical grade $C_6H_{12}O$ MW 100.16	1 l = 0.80 kg	250 ml 1 l 2½ l	4.50 12.- 26.—	

CERTIFICATE OF GUARANTEE:

Assay (gas chromatographic)	min. 99%	Lead (Pb)	max. 0.00001%
d 20°/4°	0.799–0.802	Copper (Cu)	max. 0.00001%
Refractive index ($n_D^{20°}$)	1.396–1.397	Zinc (Zn)	max. 0.00001%
Boiling-range	114–117° C	Nickel (Ni)	max. 0.00001%
Free acid (as CH_3COOH)	max. 0.02 %	Iron (Fe)	max. 0.00001%
		Non-volatile substances	max. 0.001 %

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
9648	**Methyl butyrate** reference substance for gas chromatography $C_5H_{10}O_2$ MW 102.13		5 ml	21.—	
	3-Methylbutyric acid see *iso*-Valeric acid				
9637	**Methyl caprate** reference substance for gas chromatography $C_{11}H_{22}O_2$ MW 186.30		5 ml	21.—	
9614	**Methyl caproate** reference substance for gas chromatography $C_7H_{14}O_2$ MW 130.19		5 ml	21.—	
9633	**Methyl caprylate** reference substance for gas chromatography $C_9H_{18}O_2$ MW 158.24		5 ml	21.—	
2874	**Methyl carbamate** for synthesis (ORG) $C_2H_5NO_2$ MW 75.07	1.5	250 g	9.50	
	Methylcellosolve see Ethylene glycol monomethyl ether				
2413	**Methyl chloroacetate** for synthesis (LAB) $C_3H_5ClO_2$ MW 108.53 1 l = 1.24 kg TYPE ANALYSIS: Assay (gas chromatographic) . . . . 97% d 20°/4° . . . . . 1.235–1.237 Refractive index ($n_D^{20°}$) . . . . . 1.422–1.424 Boiling-range . . . 127–132° C Chloride (Cl) . . . . . 0.01% Non-volatile substances . . . . . 0.1 % Water (acc. to Karl Fischer) . . . . 0.2 %		1 l	12.25	
2357	**Methyl chloroformate** for synthesis (ORG) $C_2H_3ClO_2$ MW 94.50 1 l = 1.22 kg		250 ml	6.80	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
240		**Methyl cinnamate** for synthesis (ORG) $C_{10}H_{10}O_2$ MW 162.19		100 g	7.50	
		Methyl cyanide see Acetonitrile				
6147	◊	**Methylcyclohexane** for synthesis (LAB) C_7H_{14} MW 98.19	1 l = 0.77 kg	1 l 2½ l	6.30 13.25	
9711	◊	**Methylcyclohexane** reference substance for gas chromatography C_7H_{14} MW 98.19		5 ml	21.—	
8807	◊	**3-Methylcyclohexanol** for synthesis (ORG) mixture of *cis*- and *trans* isomers $C_7H_{14}O$ MW 114.19	1 l = 0.92 kg	100 ml	11.—	
6181	◊	**4-Methylcyclohexanol** for synthesis (ORG) $C_7H_{14}O$ MW 114.19	1 l = 0.92 kg	100 ml	11.—	
8060	◊	***N*-Methylcyclohexylamine** for synthesis (ORG) $C_7H_{15}N$ MW 113.20	1 l = 0.86 kg	100 ml	5.80	
9712	◊	**Methylcyclopentane** reference substance for gas chromatography C_6H_{12} MW 84.16		5 ml	21.—	
		Methyl decanoate see Methyl caprate				
		6-Methyl-16-dehydropregnenolone acetate see 6-Methylpregnadienolone acetate				
		16-Methyl-16-dehydropregnenolone acetate see 16-Methylpregnadienolone acetate				

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5899	**Methyldichlorosilane** for synthesis (ORG) CH_4Cl_2Si MW 115.04	1 l = 1.14 kg	100 ml	7.50	
5851	*N*-**Methyldiethanolamine** for synthesis (ORG) $C_5H_{13}NO_2$ MW 119.16	1 l = 1.04 kg	1 l	15.75	
	3-Methyl-2,5-dihydro-2,5-furandione see Citraconic anhydride				
	1-Methyl-3,4-dimercaptobenzene see 3,4-Toluenedithiol				
	4-Methyl-1,3,2-dioxathiane 2-oxide see 1,3-Butylene sulfite				
	4-Methyl-1,3-dioxolan-2-one see Propylene carbonate				
	Methyl docosanoate see Methyl behenate				
	Methyl *cis*-13-docosenoate see Methyl erucate				
	Methyl eicosanoate see Methyl arachate				
9758	**Methyl elaidate** reference substance for gas chromatography $C_{19}H_{36}O_2$ MW 296.50		5 ml	21.—	
9744	**Methyl enanthate** reference substance for gas chromatography $C_8H_{16}O_2$ MW 144.22		5 ml	21.—	
	N,*N*′-Methylenebis(acrylamide) see *N*,*N*′-Methylenediacrylamide				
	4,4′-Methylenebis(3-hydroxy-2-naphthalenecarboxylic) acid monopotassium salt see Embonic acid monopotassium salt				

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
6040	**Methylene blue** (C. I. No. 52 015, S. No. 1038) for medical purposes DAB 7 $C_{16}H_{18}ClN_3S \cdot x\,H_2O$ MW 319.86 (anhydrous) Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.8	100 g 250 g 1 kg	5.— 10.50 34.50	
6045	**Methylene blue** (C. I. No. 52 015, S. No. 1038) for medical purposes BP 1968 $C_{16}H_{18}ClN_3S \cdot 2\,H_2O$ MW 355.89	1.5	100 g 250 g 1 kg	4.75 10.— 32.—	
1283	**Methylene blue B** (C. I. No. 52 015, S. No. 1038) for microscopy $C_{16}H_{18}ClN_3S \cdot 2\,H_2O$ MW 355.89	1.5	25 g 100 g	3.50 7.50	
	Methylene-blue solution acc. to Löffler see Löffler's methylene-blue solution				
	Methylene-blue solution acc. to Neisser see Neisser's solution Ia				
	Methylene chloride see Dichloromethane				
	Methylene chloride-d_2 see Dideuterodichloromethane				
5968	*N,N'*-**Methylenediacrylamide** for synthesis (ORG) $C_7H_{10}N_2O_2$ MW 154.17		100 g	10.50	
	3,4-Methylenedioxybenzyl alcohol see Piperonyl alcohol				
	Methylene iodide see Diiodomethane				
9757	**Methyl erucate** reference substance for gas chromatography $C_{23}H_{44}O_2$ MW 352.61		5 ml	21.—	
	N-Methylethanolamine see 2-Methylaminoethanol				

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Methyl ethyl ketone see Ethyl methyl ketone				
	2-Methyl-3-ethylpentane see 3-Ethyl-2-methylpentane				
	1-Methyl-5-ethyl-5-phenylbarbituric acid see Mephobarbital				
6168	*N*-**Methylformamide** for synthesis (ORG) C_2H_5NO MW 59.07 1 l = 1.01 kg		500 ml	13.25	
6169	*N*-**Methylformanilide** for synthesis (LAB) C_8H_9NO MW 135.17 1 l = 1.10 kg TYPE ANALYSIS: Assay (gas chromatographic) . . . . 98% d 20°/4° . . . . . 1.094–1.097 Refractive index ($n_D^{20°}$) . . . . . 1.558–1.561 Boiling-range (95%, 12 mm) . . 123–126° C		100 ml 250 ml	11.— 25.25	
889	**Methyl formate** for synthesis (ORG) $C_2H_4O_2$ MW 60.05 1 l = 0.98 kg		1 l	6.80	
6143	D(−)-*N*-**Methylglucamine** $C_7H_{17}NO_5$ MW 195.22 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	3	100 g 1 kg	8.— 57.—	
4198	**Methyl glycinate hydrochloride** for synthesis (LAB) $C_3H_8ClNO_2$ MW 125.56		250 g	16.25	
	Methyl glycol see Ethylene glycol monomethyl ether				
	O-Methyl glycol acetate see 2-Methoxyethyl acetate				
1314	**Methyl green** (C. I. No. 42 585, S. No. 788) for microscopy	1.5	5 g 25 g	4.25 8.50	
	Methyl heptadecanate see Methyl margarate				

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
3698	•|•	**2-Methylheptane** reference substance for gas chromatography C_8H_{18} MW 114.23			5 ml	21.—	
3699	•|•	**3-Methylheptane** reference substance for gas chromatography C_8H_{18} MW 114.23			5 ml	21.—	
3694	•|•	**4-Methylheptane** reference substance for gas chromatography C_8H_{18} MW 114.23			5 ml	21.—	
		Methyl heptanoate see Methyl enanthate					
5896		**6-Methyl-5-hepten-2-one** for synthesis (ORG) $C_8H_{14}O$ MW 126.20	1 l = 0.86 kg		100 ml	15.—	
4347		***N*-Methylhexamethylenetetrammonium iodide** with 1% Aerosil $C_7H_{15}IN_4$ MW 282.13	1.4		1 kg	58.—	
7702	•|•	**2-Methylhexane** reference substance for gas chromatography C_7H_{16} MW 100.21			5 ml	21.—	
7703	•|•	**3-Methylhexane** reference substance for gas chromatography C_7H_{16} MW 100.21			5 ml	21.—	
		Methyl hexanoate see Methyl caproate					
4349		***N*-Methylhomatropinium bromide** (homatropine methylbromide) NF XII, USP XVI $C_{17}H_{24}BrNO_3$ MW 370.29	2.5		100 g 1 kg	43.— price on application	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4348	***N*-Methylhomatropinium nitrate** (homatropine methylnitrate) $C_{17}H_{24}N_2O_6$ MW 352.39	2	P	100 g	65.—	
	1-Methylhydantoin-2-imide see Creatinine					
6757	**Methyl 4-hydroxybenzoate** DAB 7, USP XVI $C_8H_8O_3$ MW 152.15	1.5	P □	500 g 1 kg 5 kg 50 kg	11.50 21.50 85.50	 15.25
6756	**Methyl 4-hydroxybenzoate sodium salt** $C_8H_7NaO_3$ MW 174.13	1.6	P □	1 kg 5 kg 50 kg	23.75 97.—	 18.10
	N-Methyl(hydroxymethyl)-piperidine see Methylpiperidinylmethanol					
4599	**Methyl 3-hydroxy-2-naphthalenecarboxylate** for synthesis (ORG) $C_{12}H_{10}O_3$ MW 202.21			100 g	10.50	
5852	**1-Methylimidazole** for synthesis (ORG) $C_4H_6N_2$ MW 82.11 1 l = 1.04 kg			100 ml	11.50	
5856	**2-Methylimidazole** for synthesis (ORG) $C_4H_6N_2$ MW 82.11		P	100 g	8.—	
	N-Methyl-2,2-iminobis(ethanol) see *N*-Methyldiethanolamine					
5897	**2-Methylindole** for synthesis (ORG) C_9H_9N MW 131.18			50 g	13.25	
6064 •I•	**Methyl iodide** CH_3I MW 141.94 1 l = 2.26 kg TYPE ANALYSIS: d 15°/15° . . . . . 2.280–2.286 Boiling-point . . . 42–43° C Non-volatile substances 0.025%			50 ml 250 ml 1 l	7.50 28.— 95.—	
	Methyl iodide-d_3 see Trideuteromethyl iodide					

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
[illegible]		**3-Methylisoquinoline** for synthesis (ORG) $C_{10}H_9N$ MW 143.19	1		25 g	7.50	
9659		**Methyl laurate** reference substance for gas chromatography $C_{13}H_{26}O_2$ MW 214.35			5 ml	21.—	
9764		**Methyl lignocerate** reference substance for gas chromatography $C_{25}H_{50}O_2$ MW 382.68			5 g	42.—	
9766		**Methyl linoleate** reference substance for gas chromatography $C_{19}H_{32}O_2$ MW 292.47			5 ml	42.—	
6078		**Methyl magnesium iodide** about 1 M in *iso*-amyl ether GR (Grignard reagent) CH_3MgI MW 166.25 1 l = 0.95 kg			[illegible] ml 1 x [illegible] ml	37.75	
6099		**Methyl maleate** for synthesis (ORG) $C_5H_6O_4$ MW 130.10 1 l = 1.24 kg			100 ml	25.—	
7754		**Methyl margarate** (methyl heptadecanate) reference substance for gas chromatography $C_{18}H_{36}O_2$ MW 284.49			5 ml	15.75	
8590		**Methyl methacrylate** for synthesis (ORG) stabilised with 100 ppm hydroquinone $C_5H_8O_2$ MW 100.12 1 l = 0.94 kg			1 l	15.—	
1857		DL-S-**Methylmethioninium chloride** (racemic Vitamin U hydrochloride) $C_6H_{14}ClNO_2S$ MW 199.70 TYPE ANALYSIS: Assay (on dried substance) . . . 99.5% Melting-range . . . 136–142° C Sulfated ash . . . 0.2% Heavy metals (as Pb) 0.001% Iron (Fe) . . . . . 0.001% Water (acc. to Karl Fischer) . . . . 1.5 %	2		1 kg 5 kg	prices on application	
		Methyl 2-methylpropenoate see Methyl methacrylate					
[illegible]		**4-Methylmorpholine** for synthesis (ORG) $C_5H_{11}NO$ MW 101.15 1 l = 0.92 kg			250 ml	12.50	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
9736	**Methyl myristate** reference substance for gas chromatography $C_{15}H_{30}O_2$ MW 242.41		5 ml	21.—	
6074	**2-Methylnaphthalene** for synthesis (LAB) $C_{11}H_{10}$ MW 142.20 TYPE ANALYSIS: Assay (gas chromatographic) . . . . 99% d 40°/4° . . . . . 0.992–0.994 Refractive index ($n_D^{40°}$) . . . . . 1.601–1.603 Boiling-range . . . 239–242° C	1	1 kg	21.50	
	2-Methylnaphthol-4-ammonium chloride see 1-Hydroxy-2-methyl-4-naphthylammonium chloride				
	2-Methyl-1,4-naphthoquinone see Menadione				
6055	**Methyl nicotinate** $C_7H_7NO_2$ MW 137.14	1.6	100 g 1 kg	7.10 50.—	
6297	**2-Methyl-4-nitroaniline** for synthesis (ORG) $C_7H_8N_2O_2$ MW 152.15		100 g	6.80	
6298	**2-Methyl-5-nitroaniline** for synthesis (ORG) $C_7H_8N_2O_2$ MW 152.15	1.5	100 g	8.—	
6285	**3-Methyl-3-nitro-2-butanol** for synthesis (ORG) $C_5H_{11}NO_3$ MW 133.15 1 l = 1.10 kg		25 ml	9.75	
	Methylnitrophenol see Nitrocresol				
	Methyl 2-nitrophenyl ether see 2-Nitroanisole				
	Methyl 4-nitrophenyl ether see 4-Nitroanisole				
	Methyl 3-nitrophenyl ketone see 3′-Nitroacetophenone				
6286	**2-Methyl-2-nitro-1-propanol** for synthesis (ORG) $C_4H_9NO_3$ MW 119.12	2	25 g	9.—	
9651	**Methyl nonadecanoate** reference substance for gas chromatography $C_{20}H_{40}O_2$ MW 312.54		5 g	21.—	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Methyl nonanoate see Methyl pelargonate					
	Methyl nonyl ketone see 2-Undecanone					
	Methyl octadecatrienoate see Methyl linoleate					
	Methyl *trans*-9-octadecenoate see Methyl elaidate					
3489	**Methyl octadeuterobenzoate** deuteration degree not less than 99% $C_8D_8O_2$ MW 144.20 1 l = 1.15 kg			1 ml 10 ml	35.— 290.—	
	Methyl octanoate see Methyl caprylate					
	Methyl octyl ketone see 2-Decanone					
9743	**Methyl oleate** reference substance for gas chromatography $C_{19}H_{36}O_2$ MW 296.50			2 ml	15.75	
1322	**Methyl orange** (C. I. No 13 025, S. No. 176) indicator $C_{14}H_{14}N_3NaO_3S$ MW 327.34 pH 3.1–4.4 red to yellow orange	2		25 g 100 g 1 kg	4.— 6.— 40.-	
1320	**Methyl orange** (C. I. No. 13 025, S. No. 176) $C_{14}H_{14}N_3NaO_3S$ MW 327.34	2		250 g 1 kg 5 kg	11.50 37.50 170.—	
	2-Methyloxane see 2-Methyltetrahydropyran					
	16β-Methyl-16α,17α-oxido-5-pregnen-3β-ol-20-one see 16α,17α-Epoxy-16β-methylpregnenolone					
	Methyl 3-oxobutanoate see Methyl acetoacetate					
	Methyl 3-oxobutyrate see Methyl acetoacetate					
9737	**Methyl palmitate** reference substance for gas chromatography $C_{17}H_{34}O_2$ MW 270.46			5 ml	21.—	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
9738		**Methyl pelargonate** reference substance for gas chromatography $C_{10}H_{20}O_2$ MW 172.27			5 ml	21.—	
9641		**Methyl pentadecanoate** reference substance for gas chromatography $C_{16}H_{32}O_2$ MW 256.43			5 ml	21.—	
6185	•I•	**2-Methylpentanal** for synthesis (ORG) $C_6H_{12}O$ MW 100.16	1 l = 0.80 kg		500 ml	13.50	
9706	•I•	**2-Methylpentane** reference substance for gas chromatography C_6H_{14} MW 86.18			5 ml	21.—	
9707	•I•	**3-Methylpentane** reference substance for gas chromatography C_6H_{14} MW 86.18			5 ml	21.—	
		4-Methylpentanic acid see 4-Methylvaleric acid					
		Methyl pentanoate see Methyl valerate					
5804	•I•	**4-Methyl-2-pentanol** for synthesis (ORG) $C_6H_{14}O$ MW 102.18	1 l = 0.81 kg		1 l	6.80	
		4-Methyl-3-penten-2-one see Mesityl oxide					
5857	•I•	**3-Methyl-1-pentyn-3-ol** for synthesis (ORG) $C_6H_{10}O$ MW 98.15	1 l = 0.87 kg		250 ml	7.60	
		Methylphenol see Cresol					
		3-(2-Methylphenoxy)-1,2-propanediol see Mephenesin					
		Methylphenylcarbinol see 1-Phenylethanol					

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
3270	**2-Methyl-1,4-phenylenediamine** for synthesis (ORG) $C_7H_{10}N_2$ MW 206.25		25 g	8.50	
3272	**4-Methyl-1,2-phenylenediamine** for synthesis (ORG) $C_7H_{10}N_2$ MW 206.25		100 g	14.75	
3269	**4-Methyl-1,3-phenylenediamine** for synthesis (ORG) $C_7H_{10}N_2$ MW 122.17	2	250 g	9.50	
8329	**2-Methyl-1,4-phenylenediammonium sulfate** $C_7H_{12}N_2O_4S$ MW 220.25	1.7	100 g 1 kg	7.10 57.–	
	4-Methyl-*m*-phenylene di-*iso*-cyanate see 2,4-Toluylene di-*iso*-cyanate				
8231	**1-(4-Methylphenyl)-ethanol** for synthesis (ORG) $C_9H_{12}O$ MW 136.20 1 l = 0.97 kg		100 ml	12.25	
	Methyl phenyl ether see Anisole				
3242	**2-Methyl-1-phenyl-2-propanol** for synthesis (ORG) $C_{10}H_{14}O$ MW 150.22 1 l = 0.98 kg		100 ml	11.50	
	Methyl *trans*-3-phenylpropenoate see Methyl cinnamate				
	3-Methyl-1-phenyl-5-pyrazolone see 1-Phenyl-3-methyl-5-pyrazolone				
	2-Methyl-3-phythyl-1,4-naphthoquinone see Vitamin K_1				
0800	**1-Methylpiperazine** for synthesis (ORG) $C_5H_{12}N_2$ MW 100.16 1 l = 0.90 kg		100 ml	19.–	
0800	**2-Methylpiperazine** for synthesis (ORG) $C_5H_{12}N_2$ MW 100.16	1.5	100 g	11	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
		N-Methylpiperazine see 1-Methylpiperazine					
		3-(4-Methyl-1-piperazinyl)-propylamine see 1-(3-Aminopropyl)-4-methylpiperazine					
6186		**2-Methylpiperidine** for synthesis (ORG) $C_6H_{13}N$ MW 99.18 1 l = 0.83 kg			100 ml	8.50	
6187		**4-Methylpiperidine** for synthesis (ORG) $C_6H_{13}N$ MW 99.18 1 l = 0.84 kg			10 ml	12.50	
6188		**1-Methyl-2-piperidinylmethanol** for synthesis (ORG) $C_7H_{15}NO$ MW 129.20 1 l = 0.98 kg			25 ml	15.50	
6182		**1-Methyl-3-piperidinylmethanol** for synthesis (ORG) $C_7H_{15}NO$ MW 129.20 1 l = 1.01 kg			10 ml	13.75	
7019		**Methyl piperonyl ketone** for synthesis (ORG) $C_{10}H_{10}O_3$ MW 178.19 1 l = 1.18 kg			100 ml	15.75	
3717		**6-Methylpregnadienolone acetate** (3β-acetoxy-6-methyl-5,16-pregnadien-20-one) (LAB) $C_{24}H_{34}O_3$ MW 370.54	2.5		1 g 10 g 100 g	11.50 89.— 790.—	
3718		**16-Methylpregnadienolone acetate** (3β-acetoxy-16-methyl-5,16-pregnadien-20-one) (LAB) $C_{24}H_{34}O_3$ MW 370.54	2.5		10 g 100 g	40.— 315.—	
3719		**16α-Methylpregnenolone** (3β-hydroxy-16α-methyl-5-pregnen-20-one) (LAB) $C_{22}H_{34}O_2$ MW 330.52	2.5		10 g 100 g	48.25 420.—	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
		2-Methylpropanal see *iso*-Butyraldehyde				
		2-Methyl-1-propanol see *iso*-Butanol				
		2-Methyl-2-propanol see *tert*-Butanol				
		2-Methylpropenamide see Methacrylamide				
		Methyl propenoate see Methyl acrylate				
		2-Methylpropenoic acid see Methacrylic acid				
		2-Methylpropionaldehyde see *iso*-Butyraldehyde				
		2-Methylpropionic acid see *iso*-Butyric acid				
		2-Methylpropionyl chloride see *iso*-Butyryl chloride				
		2-Methylpropylamine see *iso*-Butylamine				
5965	•|•	**Methyl propyl ketone** for synthesis (ORG) $C_5H_{10}O$ MW 86.13	1 l = 0.81 kg		500 ml	9.75
5966	•|•	**Methyl *iso*-propyl ketone** for synthesis (ORG) $C_5H_{10}O$ MW 86.13	1 l = 0.80 kg		250 ml	10.50
		2-Methyl-2-propyl-1,3-propanediol dicarbamate see Meprobamate				
		Methylpyridine see Picoline				
		Methylpyridylamine see Aminomethylpyridine				
		1-Methyl-2-pyrrolidinone see 1-Methyl-2-pyrrolidone				
6072		**1-Methyl-2-pyrrolidone** for synthesis (LAB) C_5H_9NO MW 99.13	1 l = 1.03 kg		250 ml 1 l	6.30 17.25
		2-Methylquinoline see Quinaldine				

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk package fob incl. packi Prices per kg DM
6076		**Methyl red** (C.I. No. 13 020, S. No. 250) indicator $C_{15}H_{15}N_3O_2$ MW 269.31 pH 4.4–6.2 red to yellow orange	2		25 g 100 g	5.25 12.50	
6078		**Methyl red sodium salt** indicator $C_{15}H_{14}N_3NaO_2$ MW 291.29 pH 4.4–6.2 red to yellow orange	2		25 g 100 g	8.50 25.75	
5712		**Methyl-red Voges-Proskauer broth** (MR-VP medium) for microbiology (17 g for 1 litre of culture medium)	1.7		17 g 500 g 10 × 500 g	2.75 20. 18.	
		5-Methylresorcinol see Orcinol					
		Methylrosaniline see Gentian violet					
6070	•I•	**Methyl salicylate** DAB 6, BP 1958, Cod Franç 1949, USP XVII $C_8H_8O_3$ MW 152.15 1 l = 1.18 kg			500 ml 1 l 2½ l case 9031/30 kg	6.10 10.50 23.25	6.60
7705		*N*-**Methylscopolaminium bromide** (Scopolaminium methylbromide) NF XII, NND 1964 $C_{18}H_{24}BrNO_4$ MW 398.31	2	P	5 g 25 g	28.— 135.—	
7740		*N*-**Methylscopolaminium nitrate** (Scopolaminium methylnitrate) NND 1958 $C_{18}H_{24}N_2O_7$ MW 380.40	1.5	P	5 g 25 g	30.— 145.—	
9602		**Methyl stearate** reference substance for gas chromatography $C_{19}H_{38}O_2$ MW 298.51	1.25		5 g	21.—	
6086	•I•	α-**Methylstyrene** for synthesis (ORG) stabilised with 0.02% *tert*-butylpyrocatechol C_9H_{10} MW 118.18 1 l = 0.90 kg			1 l	9.75	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
595		**2-Methylsuccinic acid** for synthesis (ORG) $C_5H_8O_4$ MW 132.12			25 g	16.25	
		Methyl sulfate see Dimethyl sulfate					
6023		**3-Methylsulfolane** for synthesis (LAB) $C_5H_{10}O_2S$ MW 134.20 1 l = 1.18 kg			25 ml	16.75	
3720		**17α-Methyltestosterone** (17β-hydroxy-17α-methyl-4-androsten-3-one) (LAB) $C_{20}H_{30}O_2$ MW 302.46	2.8		10 g 100 g	16.75 131.—	
01874		**17α-Methyltestosterone** (17β-hydroxy-17α-methyl-4-androsten-3-one) DAB 7, BP 1968, NF XII, USP XVI $C_{20}H_{30}O_2$ MW 302.46	2.8		250 g 1 kg	250.— 1000.—	
5969	•|•	**2-Methyltetrahydropyran** for synthesis (ORG) $C_6H_{12}O$ MW 100.16 1 l = 0.85 kg			250 ml	14.25	
		Methyl 2-thienyl ketone see 2-Acetylthiophene					
5978	•|•	**3-Methylthioaniline** for synthesis (ORG) C_7H_9NS MW 139.22 1 l = 1.46 kg			25 ml	10.50	
4314		**2-(Methylthio)-ethanol** for synthesis (ORG) C_3H_8OS MW 92.16 1 l = 1.06 kg			250 ml 1 l	15.— 50.—	
5970	•|•	**3-Methylthiophene** for synthesis (ORG) C_5H_6S MW 98.17 1 l = 1.02 kg			10 ml	15.50	
5706		*S*-**Methyl-*iso*-thiouronium sulfate** for synthesis (LAB) $C_4H_{14}N_4O_4S_3$ MW 278.37 TYPE ANALYSIS: Assay (perchloric acid titration) . . . . 97% Melting-point (decomposition) 235–237°C Sulfated ash . . . 0.1%	1.3		100 g 1 kg	8.50 40.—	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
6084	**Methylthymol blue sodium salt** metal (pM) indicator $C_{37}H_{40}N_2Na_4O_{13}S$ MW 844.76	2		1 g 5 g	9.25 39.—	
8333	**Methyl *p*-toluenesulfonate** for synthesis (LAB) $C_8H_{10}O_3S$ MW 186.23 TYPE ANALYSIS: Assay (ex ester number) . . . . 97% Refractive index ($n_D^{20°}$) . . . . . 1.518–1.520 Boiling-point . . . 292–295° C	1		250 g 1 kg	7.50 22.—	
	2-Methyl-3-o-tolyl-4(3*H*)-quinazolinone see Methaqualone					
8406	***N*-Methyl-*N*-(tosyl)-nitrosamide** for synthesis (LAB) $C_8H_{10}N_2O_3S$ MW 214.24 TYPE ANALYSIS: Assay (ex N) . . . 97% Sulfated ash . . . 0.1% Melting-point . . . about 60° C	1.5	P	50 g 250 g 1 kg	9.— 39.— 134.—	
9782	**Methyl tridecanoate** reference substance for gas chromatography $C_{14}H_{28}O_2$ MW 228.38			5ml	21.—	
8263	**Methyl trifluoroacetate** for synthesis (LAB) $C_3H_3F_3O_2$ MW 128.05 1 l = 1.28 kg			100 ml	35.75	
6087	***N*-Methyltrimethylene diamine** for synthesis (ORG) $C_4H_{12}N_2$ MW 88.15 1 l = 0.84 kg			250 ml	18.—	
6116	**Methyltriphenylphosphonium bromide** for synthesis (LAB) $C_{19}H_{18}BrP$ MW 357.23	1.8	P	50 g	27.50	
9796	**Methyl undecanoate** reference substance for gas chromatography $C_{12}H_{24}O_2$ MW 200.32			5 ml	21.—	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1793		**Methyl 10-undecenoate** reference substance for gas chromatography $C_{12}H_{22}O_2$ MW 198.31		5 ml	21.—	
		Methyl undecyl ketone see 2-Tridecanone				
		5-Methyluracil see Thymine				
9781	•I•	**Methyl valerate** reference substance for gas chromatography $C_6H_{12}O_2$ MW 116.16		5 ml	21.—	
2088	•I•	**4-Methylvaleric acid** for synthesis (ORG) $C_6H_{12}O_2$ MW 116.16	1 l = 0.92 kg	100 ml	24.50	
5901	•I•	**Methyl vinyl ketone** for synthesis (ORG) stabilised with 1% hydroquinone C_4H_6O MW 70.09	1 l = 0.86 kg	100 ml	17.50	
		Methyl violet B see Gentian violet B				
4116		**Methyl violet 6 B** (C.I. No. 42 535, S. No. 783) for microscopy	1.8	25 g 100 g	3.50 9.10	
		Methyl violet 10 B see Crystal violet				
0055		**Methyl yellow** (C. I. No. 11020, S. No. 28) indicator pH 2.9–4.0 red to orange-yellow $C_{14}H_{15}N_3$ MW 225.30	2.5	25 g 100 g	4.75 12.50	
		Microcosmic salt see Sodium ammonium hydrogen phosphate				
		Mild silver protein see Silver protein mild				
		Milk sugar see D(+)Lactose				

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk package fob incl. packi Prices per kg DM
9026	**Millon's reagent** for detection of albumin	1 l = 1.99 kg	50 ml 250 ml	9.25 38.25	
	Mixed bed exchanger see Ion exchanger V				
6130	**Mixed indicator 5** for ammonia titrations pH 4.4–5.8 red-violet to green	1 l = 0.82 kg	250 ml	5.—	
9352	**Mixture of test-dyes** (hydrophilic) for thin layer chromatography	1 l = 0.93 kg	50 ml	8.—	
9353	**Mixture of test-dyes** (liphophilic) acc. to Stahl for thin layer chromatography	1 l = 0.88 kg	50 ml	8.—	
	Mohr's salt see Ammonium iron(II) sulfate				
5704	**Molecular sieve 3 Å** beads about 2 mm (LAB)	1.5	250 g 1 kg	12.50 40.—	
6102	**Molecular sieve** 3 Å powder (LAB)		P 250 g 1 kg	12.50 40.—	
5708	**Molecular sieve 4 Å** beads about 2 mm (LAB)	1.4	250 g 1 kg	12.50 40.—	
6103	**Molecular sieve** 4 Å powder (LAB)		P 250 g 1 kg	12.50 40.—	
9713	**Molecular sieve 5 Å** 0.2–0.5 mm (35–70 mesh ASTM) for gas chromatography	1.5	100 g 1 kg	13.75 110.—	
5705	**Molecular sieve 5 Å** beads about 2 mm (LAB)	1.6	250 g 1 kg	12.50 40.—	
5703	**Molecular sieve 10 Å** beads about 2 mm (LAB)	1.6	250 g 1 kg	14.25 45.25	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
532	**Molybdatophosphoric acid** (phosphomolybdic acid) GR $H_3[P(Mo_3O_{10})_4] \cdot x\ H_2O$ MW 1825.25 (anhydrous) CERTIFICATE OF GUARANTEE: Chloride (Cl) . . max. 0.005 % Lead (Pb) . . . . max. 0.005 % Copper (Cu) . . max. 0.005 % Iron (Fe) . . . . max. 0.005 % Calcium (Ca) . . max. 0.02 % Ammonium (NH_4) max. 0.003 %	0.8		25 g 100 g	4.50 12.50	
31/0001	**Molybdatophosphoric acid** (phosphomolybdic acid) spray reagent 3.5% for chromatography			spray-can (cont. about 260 ml)	6.30	
403	**Molybdenum(VI) oxide** GR MoO_3 MW 143.94 CERTIFICATE OF GUARANTEE: Assay of MoO_3 . min. 99.5 % Chloride (Cl) . . max. 0.002 % Sulfate (SO_4) . max. 0.01 % Phosphate, arsenate, silicate (as PO_4) max. 0.002 % Lead (Pb) . . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Ammonium (NH_4) max. 0.005 %	0.7	P	100 g 250 g 500 g	8.50 18.50 32.50	
401	**Molybdenum(VI) oxide** extra pure MoO_3 MW 143.94 TYPE ANALYSIS: Assay of MoO_3 . . . . 99% Chloride (Cl) . . . . 0.005% Sulfate (SO_4) . . . . 0.02 % Phosphate, arsenate, silicate (as PO_4) . . 0.002% Iron (Fe) . . . . . 0.002% Ammonium (NH_4) . . . 0.01 %	0.7	P	250 g 1 kg 5 kg 15 kg	13.25 47.25 210.—	39.50
	Molybdenum trioxide see Molybdenum(VI) oxide					
402	**Molybdenyl acetylacetonate** for synthesis (LAB) $C_{10}H_{14}MoO_6$ MW 326.16	1.6		100 g 500 g	26.25 105.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
400	**Molybdic acid** about 85% MoO_3 (commercial grade, containing ammonium molybdate) TYPE ANALYSIS: Assay of MoO_3 . . . . 84% Chloride (Cl) . . . . 0.01 % Sulfate (SO_4) . . . . 0.02 % Phosphate, arsenate, silicate (as PO_4) . . 0.005% Iron (Fe) . . . . . 0.005% Ammonium (NH_4) . . 7%	1	P □	250 g 1 kg 5 kg 25 kg	8.75 31.— 142.—	25.75
	Molybdic acid anhydrous see Molybdenum(VI) oxide				
	Molybdic acid reagent for determination of blood sugar see Folin-Wu's molybdic acid reagent				
	Molybdic anhydride see Molybdenum(VI) oxide				
3412	**Monodeuteroacetic acid** deuteration degree not less than 99% CH_3COOD MW 61.06	1 l = 1.06 kg		1 ml 10 ml 100 ml	4.50 12.— 100.—
3427	**Monodeuteroethanol** deuteration degree not less than 99% C_2H_5OD MW 47.08	1 l = 0.81 kg		1 ml 10 ml 100 ml	4.— 17.— 130.—
2916	**Monodeuteromethanol** deuteration degree not less than 99% CH_3OD MW 33.05	1 l = 0.81 kg		1 ml 10 ml 100 ml	3.50 13.— 100.—
	Monoethanolamine see Ethanolamine				
	Monoethanolammonium thioglycollate solution see Ethanolammonium thioglycollate solution				
	Monomethyl oxalate anhydride see Methoxalic anhydride				
6098	**Morin** (C. I. No. 75 660, S. No. 1366) GR (reagent for aluminium) $C_{15}H_{10}O_7 \cdot 2\,H_2O$ MW 338.27 CERTIFICATE OF GUARANTEE: Melting-point . . about 290° C Sulfated ash . . . max. 1% Suitability for determination of aluminium . . passes test	1.8		5 g 10 g	8.75 15.75

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Morphinium chloride see page 483				
	Morphinium sulfate see page 483				
6127	**Morpholine** for synthesis (LAB) C_4H_9NO MW 87.12 TYPE ANALYSIS: d 20°/4° . . . . . 1.001–1.002 Refractive index ($n_D^{20°}$) . . . . . 1.453–1.455 Boiling-range . . . 125–129° C Residue on ignition . 0.005%	1 l = 1.00 kg			
	2-Morpholinoethanesulfonic acid (MES) for biochemistry (LAB) $C_6H_{13}NO_4S$ MW 195.24			10 g	12.50
4316	**2-Morpholinoethanol** for synthesis (ORG) $C_6H_{13}NO_2$ MW 131.18	1 l = 1.07 kg		250 ml	13.75
6198	**2-Morpholinoethylamine** for synthesis (ORG) $C_6H_{14}N_2O$ MW 130.19	1 l = 1.00 kg		25 ml	8.50
4317	**1-Morpholino-2-propanol** for synthesis (ORG) $C_7H_{15}NO_2$ MW 145.20	1 l = 1.02 kg		100 ml	9.75
	3-Morpholinopropylamine for synthesis (ORG) $C_7H_{14}O_2$ MW 130.19	1 l = 0.85 kg		100 ml	10.50
1303	**3-Morpholino-1-propylamine** for synthesis (ORG) $C_7H_{16}N_2O$ MW 144.22	1 l = 0.99 kg		100 ml	9.50
	MR-VP broth see Methyl-red Voges-Proskauer broth				
	Müller-Kauffmann-Preuss' reagent see Potassium tetrathionate enrichment broth				

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packag fob incl. packi Prices per k DM
660		**Mucic acid** for synthesis (ORG) $C_6H_{10}O_8$ MW 210.14	1.2		100 g	15.75	
6161		**Murexide** metal (pM) indicator $C_8H_8N_6O_6 \cdot H_2O$ MW 302.20	2.5		5 g 25 g	6.— 22.25	
		Muriatic acid see Hydrochloric acid					
35	•|•	**Muthmann's liquid** (1,1,2,2-tetrabromoethane) (d 20°/4° 2.96–2.97) for separation of minerals (LAB) 1 l = 2.96 kg			50 ml 250 ml	6.80 27.75	
409		**Myristic acid** for biochemistry (LAB) $C_{14}H_{28}O_2$ MW 228.38	2		100 g	10.—	
399		**Myristic acid** for synthesis (ORG) $C_{14}H_{28}O_2$ MW 228.38		P	1 kg	10.50	
410	•|•	**Myristoyl chloride** for synthesis (ORG) $C_{14}H_{27}ClO$ MW 246.82 1 l = 0.91 kg			100 ml	7.50	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Nacreous pigments for plastics and lacquers see Iriodin				
	Naphazolinium chloride see 2-(1-Naphthylmethyl)-imidazolinium chloride				
	Naphazolinium nitrate see 2-(1-Naphthylmethyl)-imidazolinium nitrate				
[illegible]	**Naphthalene** scintillation grade $C_{10}H_8$ MW 128.18	1.6	100 g 1 kg 5 kg	6.60 42.— 185.—	
	Naphthalene-d_8 see Octadeuteronaphthalene				
597	**1-Naphthalenecarboxylic acid** for synthesis (ORG) $C_{11}H_8O_2$ MW 172.19		25 g	29.—	
598	**2-Naphthalenecarboxylic acid** for synthesis (ORG) $C_{11}H_8O_2$ MW 172.19		25 g	13.75	
6252	**1,3-Naphthalenediol** GR $C_{10}H_8O_2$ MW 160.17 CERTIFICATE OF GUARANTEE: Assay (by acetylation) . min. 95 % Substances insoluble in water . . . . . max. 0.5% Water (acc. to Karl Fischer) . . . max. 1 % Sulfated ash . . . max. 0.1% Suitability for determination of glutamic acid passes test	2.5	1 g 5 g	8.75 33.75	
	Naphthamine G see Titan yellow				
	2-Naphthoic acid see 2-Naphthalenecarboxylic acid				
[illegible]	**1-Naphthol** GR $C_{10}H_8O$ MW 144.17 CERTIFICATE OF GUARANTEE: Assay (gas-chromatographic) min. 99% Melting-point . . 95–97° C Chloride (Cl) . . max. 0.005% Heavy metals (as Pb) . . . . max. 0.001% Iron (Fe) . . . . max. 0.001% 2-Naphthol . . . . max. 0.1 % Naphthalene . . . max. 0.1 % Sulfated ash . . max. 0.05 %	2	25 g 100 g 250 g	[illegible] 8.95 16.50	
6221	**1-Naphthol** cryst. extra pure $C_{10}H_8O$ MW 144.17	2.1	100 g 250 g 1 kg	6.— 13.25 42.—	

		Volume		Standard packages fob incl. all packing Prices per container	Bulk package fob incl. pack Prices per k
				DM	DM
6234	**2-Naphthol** GR $C_{10}H_8O$ MW 144.17 CERTIFICATE OF GUARANTEE: Assay (gas-chromatographic) min. 99% Melting-point . . 121–123° C Chloride (Cl) . . max. 0.005% Heavy metals (as Pb) . . . . max. 0.001% Iron (Fe) . . . . max. 0.001% 1-Naphthol . . . . max. 0.1 % Naphthalene . . . max. 0.1 % Sulfated ash . . max. 0.05 %	2.6	100 g 250 g 1 kg	5.— 10.— 32.50	
6202	**1-Naphtholbenzein** indicator	2	5 g	4.75	
	Naphthol blue black see Amido black				
1306	**Naphthol green B** (C. I. No. 10 020, S. No. 5) for preparation of mixed indicators for complexometry	1.3	10 g	5.—	
6246	**1-Naphtholphthalein** indicator $C_{28}H_{18}O_4$ MW 418.45 pH 7.1–8.3 brownish to blue-green	4	1 g 5 g	7.— 23.25	
	2-Naphthol-6-sulfonic acid sodium salt see 6-Hydroxy-2-naphthalenesulfonic acid sodium salt				
	α-Naphthoquinoline see Benzo[*h*]quinoline				
	β-Naphthoquinoline see Benzo[*f*]quinoline				
6215	**1,4-Naphthoquinone** for synthesis (ORG) $C_{10}H_6O_2$ MW 158.16		250 g 1 kg	8.50 25.75	
6531	**1,2-Naphthoquinone-4-sulfonic acid sodium salt** GR $C_{10}H_5NaO_5S$ MW 260.20 CERTIFICATE OF GUARANTEE: Assay (iodometric) . min. 99% Sulfate (SO_4) . max. 0.05 % Total nitrogen (N) max. 0.005% Loss on drying (105°C) . . . . max. 1 % Suitability for detection of amino acids . passes test	5	5 g 25 g	8.— 30.50	
	Naphthoresorcinol see 1,3-Naphthalenediol				

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
67	**2-Naphthyl acetate** for biochemistry (LAB) $C_{12}H_{10}O_2$ MW 186.21	2		5 g	9.50	
6245	**1-Naphthylamine** GR $C_{10}H_9N$ MW 143.19 CERTIFICATE OF GUARANTEE: Assay (gas chromatographic) min. 99% Substances insoluble in acetic acid . max. 0.02 % Melting-point . . 48–50° C Heavy metals (as Pb) . . . . max. 0.001% Iron (Fe) . . . . max. 0.001% 2-Naphthylamine . max. 0.5 % Sulfated ash . . max. 0.05 %	1.9		100 g 500 g	6.— 20.—	
6205	**1,5-Naphthylenediamine** for synthesis (ORG) $C_{10}H_{10}N_2$ MW 158.20			250 g	18.50	
6206	**1,8-Naphthylenediamine** for synthesis (ORG) $C_{10}H_{10}N_2$ MW 158.20			100 g	14.75	
6237	*N*-**(1-Naphthyl)-ethylenediammonium dichloride** GR (for determination of sulfonamide in blood) $C_{12}H_{16}Cl_2N_2 \cdot CH_3OH$ MW 291.22 CERTIFICATE OF GUARANTEE: Assay (ex N) . . . min. 99 % Sulfated ash . . . max. 0.2% Suitability for detection of sulfonamide . . passes test	2		5 g 25 g	5.80 22.-	
249	**2-(1-Naphthylmethyl)-imidazolinium chloride** (naphazolinium chloride) $C_{14}H_{15}ClN_2$ MW 246.74	2	P	100 g 1 kg	21.— 184.—	
247	**2-(1-Naphthylmethyl)-imidazolinium nitrate** (naphazolinium nitrate) $C_{14}H_{15}N_3O_3$ MW 273.29	1.6	P	100 g 1 kg	22.— 195.—	
242	**2-(1-Naphthyl)-5-phenyloxazole** (ANPO) scintillation grade $C_{19}H_{13}NO$ MW 271.32	3.5		5 g	26.25	
	1-Naphthylthymidine 5′-phosphate sodium salt see 2′-Deoxythymidine-5′-phosphoric acid 1-naphthyl ester sodium salt					

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Narcotics:					
2562	**Cocainium chloride** cryst. extra pure DAB 7, BP 1968, Cod Franç 1965, Ph Ned VI, USP XVII $C_{17}H_{22}ClNO_4$ MW 339.82	3		**1 g** **5 g** **25 g**		
2570	**Codeine** cryst. extra pure Erg B 6, BPC 1954, Cod Franç 1965, NF XI, Ph Ned VI $C_{18}H_{21}NO_3 \cdot H_2O$ MW 317.39	1.5		**5 g** **25 g** **100 g**		
2573	**Codeinium chloride** cryst. Erg B 6, Ph Ned VI $C_{18}H_{22}ClNO_3 \cdot 2\,H_2O$ MW 371.86	3		**25 g** **100 g**		
2574	**Codeinium phosphate** cryst. extra pure DAB 6, BP 1958, Cod Franç 1949, JP VI, Ph Internat I, USP XV $C_{18}H_{24}NO_7P \cdot 1.5\,H_2O$ MW 424.39	2.5		**5 g** **25 g** **50 g**	**prices on application**	
2579	**Codeinium phosphate** cryst. extra pure DAB 7, BP 1968, USP XVII $C_{18}H_{24}NO_7P \cdot 0.5\,H_2O$ MW 406.38	2.5		**100 g**		
2575	**Codeinium sulfate** cryst. NF X $C_{36}H_{44}N_2O_{10}S \cdot 5\,H_2O$ MW 786.90	1.5		**5 g** **25 g** **100 g**		
3099	**Dihydrocodeinone hydrogen tartrate** NF XII $C_{18}H_{21}NO_3 \cdot C_4H_6O_6 \cdot 2.5\,H_2O$ MW 494.51	4		**100 g**		
960	**Ethylmorphinium chloride** DAB 7, BPC 1963, Cod Franç 1965, JP VI, NF XI, Ph Ned VI $C_{19}H_{24}ClNO_3 \cdot 2\,H_2O$ MW 385.90 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	3		**5 g** **25 g** **100 g**		

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Narcotics:					
3402	**Extract of opium** DAB 7	2.5		5 g	4.25	
				25 g	8.40	
3400	**Extract of opium** DAB 6	2.5		250 g	68.—	
6111	**Morphinium chloride*** powder DAB 7, BP 1968, Cod Franç 1949, Ph Internat I, Ph Ned VI, USP XV $C_{17}H_{20}ClNO_3 \cdot 3\,H_2O$ MW 375.85	4		5 g 25 g 100 g	prices on application	
6115	**Morphinium sulfate*** cryst. Erg B 6, BP 1963, Ph Internat I, USP XVII $C_{34}H_{40}N_2O_{10}S \cdot 5\,H_2O$ MW 758.85	4		100 g		
	* Due to its purity determined by chemical analysis, the substance is suitable for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.					
7074	**Opium** adjusted DAB 7	2		25 g	5.25	
				100 g	15.75	
7071	**Opium** powder (about 10% morphine) DAB 6, JP VI	2		1 kg	131.—	
086	**Opium** medium-fine powder, for tincture (min. 12% morphine acc. to DAB 7)	2		25 g 100 g	prices on application	
				1 kg		
075	**Opium** medium-fine powder, for tincture (min. 12% morphine acc. to DAB 6)	2				
	For the above mentioned articles orders should be accompanied by an official Import Authorisation.					

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			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Narcotine see Noscapine						
6746	**Neatan**® for thin layer chromatography see also Adhesive tape		1 l = 0.96 kg		1 l	10.50	
9238	**Neisser's solution Ia** (methylene-blue solution) for bacteriology		1 l = 1.00 kg		100 ml	4.25	
9239	**Neisser's solution Ib** (crystal violet solution) for bacteriology		1 l = 1.00 kg		100 ml	4.25	
10105	**Nematic phase IV** (16/76) **Licristal**®				5 g 20 g	50.— 150.—	
6730	* **Neocarmine B "Fesago"** dye reagent for detection of textile fibres		1 l = 1.00 kg		250 ml * 1 l **	12.75 34.75	
6731	* **Neocarmine MS "Fesago"** dye reagent for detection of textile fibres		1 l = 1.01 kg		250 ml * 1 l **	12.75 34.75	
6732	* **Neocarmine W "Fesago"** dye reagent for detection of textile fibres		1 l = 1.01 kg		250 ml * 1 l **	12.75 34.75	
					* without colour table ** including colour table		
6734 0036	**Neocarmine TA "Fesago tablets"** for detection of textile fibres				Packing with 36 tabl.	53.	
6733/0001	**Neocarmine colour table** "Fesago"				1 table	3.50	
2968	**Neocuproin** (2,9-dimethyl-1,10-phenanthroline) GR $C_{14}H_{12}N_2$ MW 208.27			3	1 g 5 g	8.50 33.50	
2964	**Neocuproin hydrochloride** GR $C_{14}H_{13}ClN_2$ MW 244.73			2	1 g	10.	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
6741	**Neodymium fluoride** tablets **Patinal**® one tablet about 0.6 g	1	100 g 1 kg	131.— price on application	
6740	**Neodymium oxide** tablets **Patinal**® one tablet about 1 g Nd_2O_3 MW 336.48		100 g 1 kg	130.— price on application	
6842	**Neopentylamine** for synthesis (ORG) $C_5H_{13}N$ MW 87.17 1 l = 0.73 kg		10 ml	18.—	
	Neopentyl glycol see 2,2-Dimethyl-1,3-propanediol				
9741	**Neopentyl glycol sebacate** for gas chromatography	1	100 g	44.—	
9742	**Neopentyl glycol succinate** for gas chromatography	1.5	100 g	44.—	
6693	**Neostigminium bromide** DAB 7, BP 1968 $C_{12}H_{19}BrN_2O_2$ MW 303.21	1.5	5 g 25 g 100 g	10.25 43.— 168.—	
6698	**Neostigminium methylsulfate** DAB 7, BP 1968, USP XVII $C_{13}H_{22}N_2O_6S$ MW 334.39 Due to its purity determined by chemical analysis, the substance is suitable for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2	5 g 25 g 100 g	10.25 43.— 168.—	
	Nessler's reagent for determination of nitrogen				
9011	A) Potassium mercury(II) iodide solution 1 l = 1.25 kg		100 ml 500 ml	5.80 19.50	
9012	B) Sodium hydroxide solution 1 l = 1.30 kg		100 ml 500 ml	3.25 7.40	
1369	**Neutral red** (C. I. No. 50 040, S. No. 946) indicator and for microscopy and bacteriology $C_{15}H_{17}ClN_4$ MW 288.78 pH 6.8–8.0 bluish-red to orange-yellow	2.5	25 g 100 g	5. 13.75	
	Neutralit® see page 667/668				
	Neutron detector see Szintifix				

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	New roseine O see Fuchsin (NB)					
	Niacin see Nicotinic acid					
	Niacinamide see Nicotinamide					
6701	**Nickel** balls Ni AW 58.71 TYPE ANALYSIS: Assay of Ni (chelatometric) . . . 99.7% Lead (Pb) . . . . . 0.003% Cobalt (Co) . . . . . 0.05 % Iron (Fe) . . . . . 0.03 % Substances not precipitated by ammonium sulfide (as sulfates) . . . . 0.3 %	0.25	P	250 g 1 kg	21.— 70.—	
6715	**Nickel(II) acetylacetonate** for synthesis (LAB) $C_{10}H_{14}NiO_4$ MW 256.93	1.5		100 g 500 g	20.— 75.—	
6749	**Nickel aluminium alloy** (Raney Nickel) powder (50% Ni, 50% Al) hydrogenation catalyst (LAB)	0.6		250 g 1 kg	16.25 55.—	
	Nickel(II) carbonate basic see Nickel(II) hydroxide carbonate					
6717	**Nickel(II) chloride** GR $NiCl_2 \cdot 6\,H_2O$ MW 237.71 CERTIFICATE OF GUARANTEE: Assay of $NiCl_2 \cdot 6\,H_2O$ min. 98% ph (5% solution) 4–6 Sulfate (SO_4) . . max. 0.005 % Total nitrogen (N) max. 0.005 % Lead (Pb) . . . . max. 0.0005% Copper (Cu) . . max. 0.0005% Cobalt (Co) . . . max. 0.01 % Zinc (Zn) . . . . max. 0.001 % Iron (Fe) . . . . max. 0.001 % Magnesium (Mg) max. 0.005 % Calcium (Ca) . . max. 0.005 % Sodium (Na) . . max. 0.005 % Potassium (K) . . max. 0.005 %	1.1	P	250 g 1 kg	11.25 36.—	
6719	**Nickel(II) chloride** cryst. extra pure $NiCl_2 \cdot 6\,H_2O$ MW 237.71 TYPE ANALYSIS: Assay of $NiCl_2 \cdot 6\,H_2O$ (chelatometric) . . . 97% Sulfate (SO_4) . . . . 0.01 % Lead (Pb) . . . . . 0.001% Cobalt (Co) . . . . . 0.05 % Iron (Fe) . . . . . 0.005% Zinc (Zn) . . . . . 0.15 % Substances not precipitated by ammonium sulfide (as sulfates) . . . . 0.3 %	1.1	P □	250 g 1 kg 50 kg	8.75 27.— price on application	
6718	**Nickel(II) chloride** $NiCl_2 \cdot 6\,H_2O$ MW 237.71 TYPE ANALYSIS: Assay of $NiCl_2 \cdot 6\,H_2O$ (chelatometric) . . . 97% Sulfate (SO_4) . . . . 0.05 % Lead (Pb) . . . . . 0.005% Iron (Fe) . . . . . 0.01 %	1.1	P □	250 g 1 kg 50 kg	8.25 23.50 price on application	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
6716		**Nickel(II) hydroxide carbonate** [nickel(II) carbonate basic] extra pure about $NiCO_3 \cdot 2\,Ni(OH)_2 \cdot 4\,H_2O$ TYPE ANALYSIS: Assay of Ni (chelatometric) . . . 47% Chloride (Cl) . . . . 0.02 % Sulfate (SO_4) . . . . 0.01 % Lead (Pb) . . . . . 0.002% Copper (Cu) . . . . . 0.003% Cobalt (Co) . . . . . 0.05 % Iron (Fe) . . . . . 0.005% Zinc (Zn) . . . . . 0.1 % Substances not precipitated by ammonium sulfide (as sulfates) . . . . 0.3 %	3	P 250 g 1 kg 5 kg 50 kg	14.— 45.— 200.— price on application	
6721		**Nickel(II) nitrate** GR $Ni(NO_3)_2 \cdot 6\,H_2O$ MW 290.81 CERTIFICATE OF GUARANTEE: Assay of $Ni(NO_3)_2 \cdot 6\,H_2O$ min. 99% Chloride (Cl) . . max. 0.001 % Sulfate (SO_4) . . max. 0.005 % Ammonium (NH_4) max. 0.05 % Lead (Pb) . . . max. 0.0005% Copper (Cu) . . max. 0.0005% Cobalt (Co) . . . max. 0.005 % Zinc (Zn) . . . . max. 0.001 % Iron (Fe) . . . . max. 0.001 % Magnesium (Mg) max. 0.05 % Calcium (Ca) . . max. 0.005 % Sodium (Na) . . max. 0.005 % Potassium (K) . . max. 0.005 %	1.1	P 250 g 1 kg	9.— 29.—	
6743	○	**Nickel(II) nitrate** extra pure $Ni(NO_3)_2 \cdot 6\,H_2O$ MW 290.81 TYPE ANALYSIS: Assay of $Ni(NO_3)_2 \cdot 6\,H_2O$ (chelatometric) . . . 97% Chloride (Cl) . . . . 0.003% Sulfate (SO_4) . . . . 0.01 % Lead (Pb) . . . . . 0.001% Copper (Cu) . . . . . 0.002% Iron (Fe) . . . . . 0.005% Cobalt (Co) . . . . . 0.01 % Zinc (Zn) . . . . . 0.05 % Substances not precipitated by ammonium sulfide (as sulfates) . . . . 0.3 %	1.1	P 250 g 1 kg 50 kg	8.25 25.— price on application	
6720	○	**Nickel(II) nitrate** cryst. pure $Ni(NO_3)_2 \cdot 6\,H_2O$ MW 290.81 TYPE ANALYSIS: Assay of $Ni(NO_3)_2 \cdot 6\,H_2O$ (chelatometric) . . . 97% Chloride (Cl) . . . . . 0.005% Sulfate (SO_4) . . . . 0.02 % Lead (Pb) . . . . . 0.002% Cobalt (Co) . . . . . 0.1 % Iron (Fe) . . . . . 0.02 % Substances not precipitated by ammonium sulfide (as sulfates) . . . . 0.5 %	0.9	P 250 g 1 kg 5 kg 50 kg	7.75 23.— 100.— price on application	
6723		**Nickel oxide** black extra pure TYPE ANALYSIS: Assay of Ni . . . . . 70% Sulfate (SO_4) . . . . 0.05 % Lead (Pb) . . . . . 0.005% Cobalt (Co) . . . . . 0.03 % Iron (Fe) . . . . . 0.05 % Zinc (Zn) . . . . . 0.05 % Substances not precipitated by ammonium sulfide (as sulfates) . . . . 0.3 %	2.1	100 g 1 kg 25 kg	9.25 70.— price on application	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packin Prices per kg DM
6724	**Nickel peroxide** (LAB) $NiO_{1.4} \cdot 3\,H_2O$	1		25 g	11.—	
	Nickel(II) potassium cyanide see Potassium tetracyanoniccolate(II)					
6727	**Nickel(II) sulfate** GR $NiSO_4 \cdot 6\,H_2O$ MW 262.86 CERTIFICATE OF GUARANTEE: Assay of $NiSO_4 \cdot 6\,H_2O$ . . min. 99% Chloride (Cl) . . max. 0.001% Total nitrogen (N) max. 0.001% Lead (Pb) . . . max. 0.001% Cobalt (Co) . . . max. 0.002% Iron (Fe) . . . . max. 0.001% Copper (Cu) . . max. 0.005% Zinc (Zn) . . . . max. 0.005% Magnesium (Mg) . max. 0.01 % Calcium (Ca) . . max. 0.005% Sodium (Na) . . max. 0.01 % Potassium (K) . . max. 0.005%	0.9		100 g 250 g 1 kg	5.50 11.— 36.50	
6726	**Nickel(II) sulfate** extra pure $NiSO_4 \cdot 7\,H_2O$ MW 280.88 TYPE ANALYSIS: Assay of $NiSO_4 \cdot 7\,H_2O$ (chelatometric) . . . 98% Chloride (Cl) . . . . 0.003% Lead (Pb) . . . . . 0.001% Cobalt (Co) . . . . . 0.05 % Iron (Fe) . . . . . 0.01 % Zinc (Zn) . . . . . 0.2 % Substances not precipitated by ammonium sulfide (as sulfates) . . . . 0.5 %	1		1 kg 5 kg 50 kg	24.— 105.— price on application	
6725	**Nickel(II) sulfate** $NiSO_4 \cdot 7\,H_2O$ MW 280.88 TYPE ANALYSIS: Assay of $NiSO_4 \cdot 7\,H_2O$ (chelatometric) . . . 97% Chloride (Cl) . . . . 0.05 % Lead (Pb) . . . . . 0.005% Iron (Fe) . . . . . 0.01 %	1		1 kg 5 kg 50 kg	20.50 90.— price on application	
6819	**Nicotinamide** standard for elementary analysis $C_6H_6N_2O$ MW 122.13 CERTIFICATE OF GUARANTEE: Carbon (C) . . . . . 59.0% Hydrogen (H) . . . . . 5.0% Nitrogen (N) . . . . . 22.9% Oxygen (O) . . . . . 13.1% Suitable for determination of C, H, N, O.			5 g	6.80	
6818	**Nicotinamide** for biochemistry (LAB) $C_6H_6N_2O$ MW 122.13 TYPE ANALYSIS: Assay . . . . . 99% Melting-range . . . 128–131° C Chloride (Cl) . . . 0.01 % Sulfate (SO_4) . . . 0.01 % Heavy metals (as Pb) . 0.001% Loss on drying (105°C) 0.5 % Sulfated ash . . . . . 0.1 %	2.5		100 g	7.60	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
00297		**Nicotinamide** DAB 7, BP 1963, Cod Franç 1949, Ph Internat I, Ph Ned VI, USP XVII $C_6H_6N_2O$ MW 122.13 Due to its purity determined by chemical analysis, the substance is suitable for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2.5		1 kg 5 kg 50 kg	prices on application	
01371		**Nicotinamide** coated 33⅓%			1 kg 5 kg 25 kg	prices on application	
3406	○	**Nicotinamide-adenine-dinucleotide** (NAD)* free acid for biochemistry (LAB) $C_{21}H_{27}N_7O_{14}P_2$ MW 663.44	3		0.1 g 1 g	6.30 39.50	
		Nicotinamide-adenine-dinucleotide disodium salt ($NADM_2$) see Dihydronicotinamide-adenine-dinucleotide disodium salt					
3404	○	**Nicotinamide-adenine-dinucleotide phosphate** (NADP) **disodium salt*** for biochemistry (LAB) $C_{21}H_{26}N_7Na_2O_{17}P_3$ MW 787.38	2		10 mg 0.1 g 1 g	8.— 50.— 425.—	
		* These items have to be stored in a refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers risk.					
		Nicotinamide-adenine-dinucleotide phosphate reduced ($NADPH_2$) tetrasodium salt see Dihydronicotinamide-adenine-dinucleotide phosphate ($NADPH_2$) tetrasodium salt					
6817		**Nicotinic acid** for biochemistry (LAB) $C_6H_5NO_2$ MW 123.11 TYPE ANALYSIS: Assay . . . . . 99.5% Melting-range . . . 234–237° C Chloride (Cl) . . . 0.02% Sulfate (SO_4) . . 0.02% Heavy metals (as Pb) 0.001 % Arsenic (As) . . . . 0.0002% Loss on drying (105°C) 0.5 % Sulfated ash . . . . 0.05 %	2–3		25 g 100 g	4.50 6.80	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
500005	**Nicotinic acid** pure DAB 7, BP 1958, Ph Internat I, Ph Ned VI, USP XVI $C_6H_5NO_2$ MW 123.11	2–3	1 kg 5 kg 50 kg	prices on application	
501403	**Nicotinic acid** min. 98% feed grade $C_6H_5NO_2$ MW 123.11	2.2	5001/5 kg 50 kg	prices on application	
	iso-Nicotinic acid see 4-Pyridinecarboxylic acid				
	Nicotinic acid diethylamide see Nikethamide				
6767	*iso*-**Nicotinic acid hydrazide** GR $C_6H_7N_3O$ MW 137.14	2	100 g	18.50	
6753	*iso*-**Nicotinic acid hydrazide** for synthesis (ORG) $C_6H_7N_3O$ MW 137.14	2	100 g	11.50	
500298	**Nikethamide** DAB 7, USP XV $C_{10}H_{14}N_2O$ MW 178.24 Due to its purity determined by chemical analysis, the substance is suitable for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1	aluminium bottle 1 kg 5 kg aluminium can 25 kg	prices on application	
1291	**Nile blue chloride** (C.I. No. 51 180) for microscopy	2	25 g	5.25	
6762	**Ninhydrin** (2,2-dihydroxy-1,3-indandione) GR $C_9H_6O_4$ MW 178.15 CERTIFICATE OF GUARANTEE: Assay (hydroxylamine titration) . . min. 98% pH (1% watery solution) . . . . . 4.6–5.0 Sulfated ash . . . max. 0.1% Suitability for detection of amino acids . . passes test	1.6	10 g 100 g 1 kg	5.25 34.50 294.—	
6758/0001	**Ninhydrin** (2,2-dihydroxy-1,3-indandione) spray reagent 0.1% for chromatography		spray can (cont. about 260 ml)	6.30	
6871	**Niobium(V) oxide Optipur®** Nb_2O_5 MW 265.81	1.1	100 g 1 kg	prices on application	
5462	**Nitrate medium** for microbiology (25 g for 1 litre of culture medium)	2	25 g 500 g 10 x 500 g	3.25 26.— 24.—	

		Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
440	**Nitric acid** about 25% extra pure DAB 6 HNO_3 MW 63.01	1 l = 1.14 kg		
	1 l		4.75	
	2½ l		7.75	
	50 kg			1.80
	5 x 50 kg			1.70
441	**Nitric acid** min. 65% (about 1.40) **Suprapur**® HNO_3 MW 63.01	1 l = 1.40 kg		
	251/250 ml		12.75	

CERTIFICATE OF GUARANTEE:

Assay (acidimetric)	min. 65%
Chloride (Cl)	max. $5 \cdot 10^{-5}$ % (0.5 ppm)
Sulfate (SO_4)	max. $5 \cdot 10^{-5}$ % (0.5 ppm)
Phosphate (PO_4)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Lead (Pb)	max. $5 \cdot 10^{-7}$ % (0.005 ppm)
Copper (Cu)	max. $5 \cdot 10^{-7}$ % (0.005 ppm)
Nickel (Ni)	max. $5 \cdot 10^{-7}$ % (0.005 ppm)
Cobalt (Co)	max. $1 \cdot 10^{-7}$ % (0.001 ppm)
Zinc (Zn)	max. $5 \cdot 10^{-7}$ % (0.005 ppm)
Iron (Fe)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Aluminium (Al)	max. $5 \cdot 10^{-7}$ % (0.005 ppm)
Manganese (Mn)	max. $5 \cdot 10^{-7}$ % (0.005 ppm)
Cadmium (Cd)	max. $5 \cdot 10^{-7}$ % (0.005 ppm)
Thallium (Tl)	max. $1 \cdot 10^{-7}$ % (0.001 ppm)
Arsenic (As)	max. $1 \cdot 10^{-7}$ % (0.001 ppm)
Calcium (Ca)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Strontium (Sr)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Barium (Ba)	max. $1 \cdot 10^{-4}$ % (1 ppm)
Sodium (Na)	max. $5 \cdot 10^{-5}$ % (0.5 ppm)
Potassium (K)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)

454	**Nitric acid** min. 65% (about 1.40) GR HNO_3 MW 63.01	1 l = 1.40 kg		
	1 l		6.50	
	2½ l		14.50	
	standard box			
	15 x 1 l	1 l	6.—	
	8 x 15 x 1 l	1 l	5.75	
	8 x 2½ l	2½ l	13.70	
	8 x 8 x 2½ l	2½ l	13.30	
	50 kg			3.—
	5 x 50 kg			2.85

CERTIFICATE OF GUARANTEE:

Assay of HNO_3	min. 65%	Cadmium (Cd)	max. 0.000001%
Chloride (Cl)	max. 0.00005 %	Iron (Fe)	max. 0.00002 %
Sulfate (SO_4)	max. 0.0001 %	Calcium (Ca)	max. 0.0001 %
Lead (Pb)	max. 0.000005%	Arsenic (As)	max. 0.000001%
Copper (Cu)	max. 0.000005%	Residue on ignition (as sulfates)	max. 0.0005 %
Zinc (Zn)	max. 0.00001 %		
Nickel (Ni)	max. 0.000005%		

456	**Nitric acid** min. 65% (about 1.40) tested by the dithizone method GR HNO_3 MW 63.01	1 l = 1.40 kg		
	1 l		7.—	
	2½ l		15.50	
	standard box			
	15 x 1 l	1 l	6.60	
	8 x 15 x 1 l	1 l	6.40	
	8 x 2½ l	2½ l	14.70	
	8 x 8 x 2½ l	2½ l	14.30	
	50 kg			3.30
	5 x 50 kg			3.15

CERTIFICATE OF GUARANTEE:

Assay of HNO_3	min. 65%	Iron (Fe)	max. 0.00002 %
Chloride (Cl)	max. 0.00005 %	Calcium (Ca)	max. 0.0001 %
Sulfate (SO_4)	max. 0.0001 %	Arsenic (As)	max. 0.000001%
Lead (Pb)	max. 0.000005%	Residue on ignition (as sulfates)	max. 0.0005 %
Copper (Cu)	max. 0.000005%	Tested by the dithizone method	passes test
Nickel (Ni)	max. 0.000005%		
Zinc (Zn)	max. 0.00001 %		
Cadmium (Cd)	max. 0.000001%		

		Volume	Standard packages fob incl. all packing Prices per container DM	Bulk package fob incl. packi Prices per k DM
442	**Nitric acid** min. 65% (about 1.40) **Selectipur®** HNO_3 MW 63.01	1 l = 1.40 kg		
	2½ l standard box 8 x 2½ l 50 kg		prices on application	
443	**Nitric acid** about 65% (about 1.40) extra pure HNO_3 MW 63.01	1 l = 1.40 kg		
	TYPE ANALYSIS: Assay (acidimetric) . 64–66% Chloride (Cl) . . . . 0.0003% Sulfate (SO_4) . . . . 0.001 % Heavy metals (as Pb) 0.0005% Iron (Fe) . . . . . 0.0005% Calcium (Ca) . . . . 0.001 % Arsenic (As) . . . . 0.0001% Residue on ignition (as sulfates) . . . . 0.001 %			
	1 l		6.—	
	2½ l		13.50	
	standard box 15 x 1 l		1 l 5.60	
	8 x 15 x 1 l		1 l 5.40	
	8 x 2½ l		2½ l 12.80	
	8 x 8 x 2½ l		2½ l 12.50	
	50 kg			2.40
	5 x 50 kg			2.25
444	**Nitric acid** about 70% **Selectipur®** HNO_3 MW 63.01	1 l = 1.42 kg		
	2½ l 25 kg		prices on application	
450	**Nitric acid** fuming min. 96% (about 1.50) pure DAB 6 HNO_3 MW 63.01	1 l = 1.50 kg		
	TYPE ANALYSIS: Assay (acidimetric) . 96% Chloride (Cl) . . . . 0.001 % Sulfate (SO_4) . . . . 0.001 % Heavy metals (as Pb) 0.0005% Iron (Fe) . . . . . 0.0005 % Arsenic (As) . . . . 0.00002% Residue on ignition (as sulfates) . . . 0.005 %			
	1 l		18.50	
	2 l		27.50	
	25 kg			5.75
	5 x 25 kg			5.50
455	**Nitric acid** fuming 100% (about 1.52) GR HNO_3 MW 63.01	1 l = 1.52 kg		
	CERTIFICATE OF GUARANTEE: Assay of HNO_3 min. 99.5% Chloride (Cl) . max. 0.00005 % Sulfate (SO_4) . max. 0.0005 % Lead (Pb) . . . max. 0.00001 % Copper (Cu) . . max. 0.00001 % Zinc (Zn) . . . max. 0.00001 % Cadmium (Cd) max. 0.00001 % Iron (Fe) . . . max. 0.00005 % Arsenic (As) . max. 0.000005% Nitric oxide (as N_2O_3) . . max. 0.1 % Residue on ignition as sulfates) . max. 0.001 %			
	1 l		20.—	
	2 l		30.—	
	25 kg			6.40
	5 x 25 kg			6.20
453	**Nitric acid** fuming 100% (about 1.52) **Selectipur®** HNO_3 MW 63.01	1 l = 1.52 kg		
	2½ l		price on application	

2,2′,2″-Nitrilitriethanol hydrochloride
see Triethanolamine hydrochloride

Nitrilotriacetic acid see Titriplex® I

8236	**1,1′,1″-Nitrilotris(2-propanol)** for synthesis (ORG) $C_9H_{21}NO_3$ MW 191.27	1	1 kg	8.—

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
6761	**Nitrin** (2 aminobenzaldehyde phenylhydrazone) GR (reagent for nitrite) $C_{13}H_{13}N_3$ MW 211.27 CERTIFICATE OF GUARANTEE: Assay (ex N) . . . min. 98 % Sulfated ash . . . max. 0.1% Water (acc. to Karl Fischer) . . max. 0.5% Suitability for determination of nitrites . . . passes test	2.5		5 g 25 g	11.— 47.25	
6207	**3-Nitroacetophenone** for synthesis (ORG) $C_8H_7NO_3$ MW 165.15			250 g	16.25	
6217	**4-Nitroacetophenone** for synthesis (ORG) $C_8H_7NO_3$ MW 165.15	2		250 g	14.—	
	3-Nitro-4-aminoanisole see 4-Methoxy-2-nitroaniline					
	5-Nitro-2-aminoanisole see 2-Methoxy-4-nitroaniline					
6759	**2-Nitroaniline** for photometric determination of ascorbic acid $C_6H_6N_2O_2$ MW 138.13 CERTIFICATE OF GUARANTEE. Assay (ex N) . . min. 99% Melting-point . . . 69–71° C Heavy metals (as Pb) . . . . max. 0.001% Iron (Fe) . . . . max. 0.005% Sulfated ash . . max. 0.1 %	2.5		10 g 25 g	4.— 5.80	
6209	**3-Nitroaniline** for synthesis (ORG) $C_6H_6N_2O_2$ MW 138.13	1.8		250 g	8.—	
6760	**4-Nitroaniline** for determination of phenol $C_6H_6N_2O_2$ MW 138.13 CERTIFICATE OF GUARANTEE: Assay (perchloric acid titration) . . . min. 97% Melting-point . . 146–148° C Heavy metals (as Pb) . . . . max. 0.001% Iron (Fe) . . . . max. 0.001% Sulfated ash . . max. 0.1 %	1.4		25 g 100 g	4.50 11.—	
	m-Nitro-*o*-anisidine see 2-Methoxy-5-nitroaniline					
6227	**2-Nitroanisole** for synthesis (ORG) $C_7H_7NO_3$ MW 153.14 1 l = 1.25 kg			250 ml	10.50	
6228	**4-Nitroanisole** for synthesis (ORG) $C_7H_7NO_3$ MW 153.14			250 g	9.50	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
648	**4-Nitroanthranilic acid** for synthesis (ORG) $C_7H_6N_2O_4$ MW 182.14			100 g	12.50	
6860	N^{ω}-**Nitro-L-arginine** for synthesis (LAB) $C_6H_{13}N_5O_4$ MW 219.20		P	5 g	8.50	
6867	N^{ω}-**Nitro-L-arginine methyl ester hydrochloride** for synthesis (LAB) $C_7H_{16}ClN_5O_4$ MW 269.69		P	5 g	14.75	
6783	**4'-Nitroazobenzene-4-carbonyl chloride** GR $C_{13}H_8ClN_3O_3$ MW 289.68 CERTIFICATE OF GUARANTEE: Assay (alkali titration before and after reaction with aniline) . . . . min. 98% Melting-point . . . 161–163° C Heavy metals (as Pb) . . . . max. 0.001% Iron (Fe) . . . . max. 0.001% Sulfated ash . . max. 0.1 %	2.2		1 g	13.25	
459 †	**5-Nitrobarbituric acid** GR (reagent for potassium) $C_4H_3N_3O_5$ MW 173.09 CERTIFICATE OF GUARANTEE: Assay . . . . . min. 98% Melting-point . . . 205–207° C Sulfated ash . . . max. 0.1% Suitability for detection of potassium . . passes test	1.7	P	5 g 25 g	5.50 20.50	
6764	**2-Nitrobenzaldehyde** GR (reagent for methylketones) $C_7H_5NO_3$ MW 151.12 CERTIFICATE OF GUARANTEE: Assay (volumetric with hydroxylamine) min. 99% Melting-point . . 42–44° C Heavy metals (as Pb) . . . max. 0.001 % Iron (Fe) . . . . max. 0.0005% Sulfated ash . . max. 0.1 %	1.6		5 g 25 g	5.25 19.—	
6765	**3-Nitrobenzaldehyde** for synthesis (ORG) $C_7H_5NO_3$ MW 151.12	3		250 g	13.75	
6766	**4-Nitrobenzaldehyde** for synthesis (ORG) $C_7H_5NO_3$ MW 151.12			25 g	9.50	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
6846	**4-Nitrobenzamide** for synthesis (ORG) $C_7H_6N_2O_3$ MW 166.14		100 g	13.25	
6770 •I• *	**Nitrobenzene** for synthesis (LAB) $C_6H_5NO_2$ MW 123.11 1 l = 1.20 kg TYPE ANALYSIS: Assay (gas chromatographic) . . . . 99% Free acid (as HNO_3) 0.003% d 20°/4° . . . . . 1.202–1.204 Refractive index ($n_D^{20°}$) . . . . . 1.552–1.553 Freezing-point . . + 5° C Boiling-range (95%) 208–211° C Water (acc. to Karl Fischer) . . 0.1%		1 l 5 l	7.10 29.—	
6771 •I• *	**Nitrobenzene** Erg B 6 $C_6H_5NO_2$ MW 123.11 1 l = 1.20 kg		5 l 50 kg	23.75	3.45
	Nitrobenzenedicarboxylic acid see Nitrophthalic acid				
6548	**3-Nitrobenzenesulfonic acid sodium salt** for synthesis (ORG) $C_6H_4NNaO_5S$ MW 225.16		P 500 g	10.50	
6784	**5(6)-Nitrobenzimidazolium nitrate Fotopur®** $C_7H_6N_4O_5$ MW 226.15	2.1	P 100 g	13.25	
643	**2-Nitrobenzoic acid** for synthesis (ORG) $C_7H_5NO_4$ MW 167.12		250 g	9.—	
645	**3-Nitrobenzoic acid** for synthesis (ORG) $C_7H_5NO_4$ MW 167.12		250 g	9.50	
649	**4-Nitrobenzoic acid** for synthesis (ORG) $C_7H_5NO_4$ MW 167.12		250 g	6.30	
	2-Nitrobenzotrifluoride see α,α,α-Trifluoro-2-nitrotoluene				
	3-Nitrobenzotrifluoride see 3-Nitrobenzylidyne trifluoride				

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
6769		**3-Nitrobenzoyl chloride** for synthesis (LAB) $C_7H_4ClNO_3$ MW 185.57 TYPE ANALYSIS: Assay (alkali titration before and after reaction with aniline) . . . . . 97% Melting-point . . . . 30–33° C Sulfated ash 0.1%	1.6	100 g	12.50	
6772	•|•	**4-Nitrobenzoyl chloride** for synthesis (ORG) $C_7H_4ClNO_3$ MW 185.57	1.3	100 g	7.50	
6299		**4-Nitrobenzyl chloride** for synthesis (ORG) $C_7H_6ClNO_2$ MW 171.58	1.5	100 g	15.—	
6847		**3-Nitrobenzylidyne trifluoride** for synthesis (ORG) $C_7H_4F_3NO_2$ MW 191.11 1 l = 1.44 kg		100 ml	22.—	
		2-Nitro-1-bromobenzene see 1-Bromo-2-nitrobenzene				
6229	•|•	**2-Nitro-1-butanol** for synthesis (ORG) $C_4H_9NO_3$ MW 119.12 1 l = 1.13 kg		100 ml	8.—	
6230	•|•	**3-Nitro-2-butanol** for synthesis (ORG) $C_4H_9NO_3$ MW 119.12 1 l = 1.13 kg		100 ml	19.—	
665		**3-Nitrocinnamic acid** for synthesis (ORG) $C_9H_7NO_4$ MW 193.16	4	10 g	12.50	
6855		**4-Nitro-*m*-cresol** for synthesis (ORG) $C_7H_7NO_3$ MW 153.14		100 g	6.80	
6856		**6-Nitro-*m*-cresol** for synthesis (ORG) $C_7H_7NO_3$ MW 153.14		100 g	17.75	
6854		**2-Nitro-*p*-cresol** for synthesis (ORG) $C_7H_7NO_3$ MW 153.14		100 g	6.80	
6843	•|•	**Nitroethane** for synthesis (ORG) $C_2H_5NO_2$ MW 75.07 1 l = 1.05 kg		250 ml	14.75	
		4-Nitroethylbenzene see 4-Ethylnitrobenzene				

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1853	**5-Nitrofurfurylidene diacetate** for synthesis (ORG) $C_9H_9NO_7$ MW 243.17	1.5	100 g	1.–	
7753 •I•	**Nitroglycerin solution** 1%, DAB 6, BPC 1954 1 l = 0.83 kg		100 ml 1 l 2½ l	4.50 28.25 63.–	
	Nitromethane-d_3 see Trideuteronitromethane				
	3-Nitro-3-methyl-2-butanol see 3-Methyl-3-nitro-2-butanol				
	2-Nitro-2-methyl-1-propanol see 2-Methyl-2-nitro-1-propanol				
6780	**Nitron** (1,4-diphenyl-3,5-endoanilo-1,2,4-triazoline) GR (reagent for nitric acid) $C_{20}H_{16}N_4$ MW 312.38 CERTIFICATE OF GUARANTEE: Assay (perchloric acid titration) . . . min. 90% Melting-point . . 187–189° C Substances insoluble in acetic acid (5%) . . . max. 0.005% Sulfated ash . . . max. 0.1% Suitability for determination of nitrates . . . passes test	2.3	5 g 25 g	5.80 22.–	
1291	**1-Nitronaphthalene** for synthesis (ORG) $C_{10}H_7NO_2$ MW 173.17	2	250 g	5.25	
202	**3-Nitro-2-pentanol** for synthesis (ORG) $C_5H_{11}NO_3$ MW 133.15 1 l = 1.08 kg		50 ml	14.75	
	m-Nitro-*p*-phenetidine see 4-Ethoxy-3-nitroaniline				
1940	**2-Nitrophenol** for synthesis (ORG) $C_6H_5NO_3$ MW 139.11		250 g	6.30	
7791	**3-Nitrophenol** indicator $C_6H_5NO_3$ MW 139.11 pH 6.6–8.6 colourless to yellow-orange	1.3	5 g 25 g	4.25 13.–	
7798	**4-Nitrophenol** indicator $C_6H_5NO_3$ MW 139.11 pH 5.4–7.5 colourless to yellow	2	25 g 100 g	4.25 10.50	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packin Prices per kg DM
464		**2-Nitrophenol-4-arsonic acid** GR $C_6H_6AsNO_6$ MW 263.04 CERTIFICATE OF GUARANTEE: Assay . . . . . min. 99 % Sulfated ash . . . max. 0.1% Suitability for detection of cadmium . . passes test	2		25 g	5.50	
68	○	**4-Nitrophenyl acetate** for biochemistry (LAB) $C_8H_7NO_4$ MW 181.15 Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	2		5 g	12.—	
599		**4-Nitrophenylacetic acid** for synthesis (ORG) $C_8H_7NO_4$ MW 181.15			25 g	8.50	
		5-(3-Nitrophenylazo)-salicylic acid sodium salt see Alizarin yellow GG					
		5-[α-(4-Nitrophenylcarbamoyl)-phenethylamino]-5-oxopentanoic acid see Glutaryl-L-phenylalanine-4-nitranilide					
6294		**4-Nitro-1,2-phenylenediamine** for synthesis (ORG) $C_6H_7N_3O_2$ MW 153.14			100 g	13.75	
6791	○	**2-Nitrophenyl-β-D-galactopyranoside** for biochemistry (LAB) $C_{12}H_{15}NO_8$ MW 301.26 Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	2.5		1 g	10.—	
6792	○	**4-Nitrophenyl-α-D-glucopyranoside** for biochemistry (LAB) $C_{12}H_{15}NO_8$ MW 301.26 Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	1.5		1 g	13.75	
6793	○	**4-Nitrophenyl-β-D-glucopyranoside** for biochemistry (LAB) $C_{12}H_{15}NO_8$ MW 301.26 Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	4		1 g	11.—	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
6795	○	**4-Nitrophenyl-β-D-glucopyranosiduronic acid** for biochemistry (LAB) $C_{12}H_{13}NO_9$ MW 315.24 Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	2		1 g	25.25	
		4-Nitrophenyl-β-D-glucuronide see 4-Nitrophenyl-β-D-glucopyranosiduronic acid					
6800		**4-Nitrophenylhydrazine** GR (reagent for aldehydes and ketones) $C_6H_7N_3O_2$ MW 153.14 CERTIFICATE OF GUARANTEE: Assay (ex N) . . min. 99% Melting-point . . 157–159° C Substances insoluble in acetic acid . . max. 0.005% Chloride (Cl) . . max. 0.005% Sulfated ash . . max. 0.05 % Suitability for detection of carbonyl groups passes test	2.5		5 g 25 g	5.— 19.—	
6831	○	**4-Nitrophenyl hydrogen sulfate potassium salt** for biochemistry (LAB) $C_6H_4KNO_6S$ MW 257.27 Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	1.5		5 g	18.—	
6295		**4-(4-Nitrophenyl)-morpholine** for synthesis (ORG) $C_{10}H_{12}N_2O_3$ MW 208.22	1.5		100 g	8.—	
6511	○	**4-Nitrophenyl palmitate** for biochemistry (LAB) $C_{22}H_{35}NO_4$ MW 377.53 Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	4		5 g	14.75	
6850	○	**4-Nitrophenyl phosphate disodium salt** (hexahydrate) GR $C_6H_4NNa_2O_6P \cdot 6H_2O$ MW 371.15 Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	2.5		5 g 25 g 100 g	8.— 32.50 110.—	
6547	•I•	**4-Nitrophenyl phosphorodichloridate** for synthesis (LAB) $C_6H_4Cl_2NO_4P$ MW 255.98			25 g	33.75	
		4-Nitrophenyl thymidine 5′-phosphate ammonium salt see 2′-Deoxythymidine-5′-phosphoric acid 4-nitrophenyl ester ammonium salt					

			Volume			Standard packages fob incl. all packing Prices per container	Bulk packag fob incl. pack Prices per k
						DM	DM
654		**2-Nitro-*iso*-phthalic acid** for synthesis (ORG) $C_8H_5NO_6$ MW 211.13	2	P	25 g	12.50	
649		**3-Nitrophthalic acid** for synthesis (ORG) $C_8H_5NO_6$ MW 211.13			100 g	19.—	
650		**4-Nitrophthalic acid** for synthesis (ORG) $C_8H_5NO_6$ MW 211.13		P	100 g	14.75	
651		**5-Nitro-*iso*-phthalic acid** for synthesis (ORG) $C_8H_5NO_6$ MW 211.13			250 g	12.—	
6851	•|•	**1-Nitropropane** for synthesis (ORG) $C_3H_7NO_2$ MW 89.09 1 l = 1.00 kg			1 l 2½ l	12.25 27.25	
6852	•|•	**2-Nitropropane** for synthesis (ORG) $C_3H_7NO_2$ MW 89.09 1 l = 0.99 kg			1 l	11.50	
6296		**2-Nitro-1-propanol** for synthesis (ORG) $C_3H_7NO_3$ MW 105.09 1 l = 1.18 kg			25 ml	15.25	

N

Nitroprusside sodium see Sodium nitroprusside

4-Nitropyridine *N*-oxide see 4-Nitropyridine 1-oxide

6853		**4-Nitropyridine 1-oxide** for synthesis (ORG) $C_5H_4N_2O_3$ MW 140.10	0.9		25 g	16.75	
6803		**1-Nitroso-2-naphthol** GR $C_{10}H_7NO_2$ MW 173.17 CERTIFICATE OF GUARANTEE: Melting-point . . . 107–109° C Sulfated ash . . . max. 0.2% Suitability for determination of metals . . . passes test	1.3		25 g 100 g 250 g	6.80 20.50 48.25	

			Volume		Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
					DM	DM
6804	**1-Nitroso-2-naphthol** standard for elementary analysis $C_{10}H_7NO_2$ MW 173.17 CERTIFICATE OF GUARANTEE: Carbon (C) . . . . . 69.4% Nitrogen (N) . . . . . 8.1% Hydrogen (H) . . . . . 4.1% Oxygen (O) . . . . . 18.5% Suitable for determination of C, H, N, O		1.3		5 g 7.50	
6802	**2-Nitroso-1-naphthol** GR (reagent for cobalt and zirconium) $C_{10}H_7NO_2$ MW 173.17 CERTIFICATE OF GUARANTEE: Melting-point . . . 149–150° C Suitability for determination Sulfated ash . . . max. 0.2% of metals . . . . passes test		10		5 g 8.— 25 g 32.—	
	N-Nitrosophenylhydroxylamin ammonium salt see Cupferron					
6809	**Nitroso R salt** [2-hydroxy-1-nitroso-3,6-naphthalene-disulfonic acid disodium salt] for determination of cobalt $C_{10}H_5NNa_2O_8S_2$ MW 377.26 CERTIFICATE OF GUARANTEE: Assay (iodometric) . min. 90% Loss on drying . . . max. 1 % Residue on ignition Suitability for determination (as sulfates) . . . max. 37% of cobalt . . . passes test		2.3		25 g 5.50 100 g 15.50	
6811	**Nitroterephthalic acid** for synthesis (ORG) $C_8H_5NO_6$ MW 211.13				25 g 10.50	
6806	**2-Nitrotoluene** for synthesis (ORG) $C_7H_7NO_2$ MW 137.14	1 l = 1.14 kg			1 l 8.75	
6805	**3-Nitrotoluene** for synthesis (ORG) $C_7H_7NO_2$ MW 137.14	1 l = 1.17 kg			250 ml 7.10	
6807	**4-Nitrotoluene** for synthesis (ORG) $C_7H_7NO_2$ MW 137.14				1 kg 11.50	
	4-Nitro-o-toluidine see 2-Methyl-4-nitroaniline					
	5-Nitro-o-toluidine see 2-Methyl-5-nitroaniline					

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2988	**Nivitin® "F"** (sorbitol solution as humectant for tobacco)		75 kg	price on application	
	Nivitin see also Sorbitol				
6840	**Nonadecanoic acid** for biochemistry (LAB) $C_{19}H_{38}O_2$ MW 298.51		10 g	19.—	
6833	*n*-**Nonane** reference substance for gas chromatography C_9H_{20} MW 128.26		5 ml	21.—	
6838	*n*-**Nonane** for synthesis (LAB) C_9H_{20} MW 128.26	1 l = 0,72 kg	250 ml aluminium bottle 1¼ l	47.25 210.—	
	Nonanedinitrile see Azelanitrile				
	Nonanitrile see Pelargononitrile				
	Nonanoic acid see Pelargonic acid				
6849	**3-Nonanone** for synthesis (ORG) $C_9H_{18}O$ MW 142.24	1 l = 0.82 kg	25 ml	10.—	
3538	**5-Nonanone** for synthesis (ORG) $C_9H_{18}O$ MW 142.24	1 l = 0.81 kg	100 ml	12.—	
	Nonanoyl chloride see Pelargonyl chloride				
9046	**Nonne-Apelt's reagent** for testing of cerebrospinal fluid	1 l = 1.24 kg	P 250 ml 1 l	5.— 13.75	
6845	**Nonylamine** for synthesis (ORG) $C_9H_{21}N$ MW 143.27	1 l = 0.79 kg	10 ml	10.—	
6834	L-**Norleucine**(2-aminohexanoic acid) for biochemistry (LAB) $C_6H_{13}NO_2$ MW 131.18		0.25 g	13.25	
6258	**Noscapine** (narcotine) cryst. extra pure, BPC 1968, NF XI $C_{22}H_{23}NO_7$ MW 413.43	1.3	P 100 g 1 kg	22.— 190.—	

		Volume			Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
					DM	DM
5189	**Nuclear fast red** for microscopy	1.5		5 g	4.25	
5450	**Nutrient agar** for microbiology (20 g for 1 litre of culture medium)	2.2		20 g 500 g 10 x 500 g	4.— 40.— 37.50	
	see also Standard nutrient agar					
5443	**Nutrient broth** for microbiology (40 g for 5 litres of culture medium)	2.8		40 g 500 g 10 x 500 g	5.50 40.— 37.50	
	see also Standard nutrient broth					
4069	**Nutrient gelatin** for microbiology (128 g for 1 litre of culture medium)	1.7		128 g 500 g 10 x 500 g	6.25 18.— 16.—	
4067	**Nutrient gelatin special** for microbiology	1.5		1 kg 5 kg	28.50 120.—	
9029	**Nylander's reagent** for detection of sugars 1 l = 1.14 kg			100 ml 500 ml 2½ l	2.75 5.80 21.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
9031	**Obermayer's reagent** for detection of indican 1 l = 1.20 kg		250 ml 1 l	4.25 9.25	
3470	**Octadecadeuterobicyclo(4,4,0)decane** deuteration degree not less than 99% for spectroscopy **Uvasol** $C_{10}D_{18}$ MW 156.37 1 l = 1.01 kg		1 ml 10 ml	44.— 380.—	
3479	**Octadecadeuterohexamethylphosphoric triamide** deuteration degree not less than 99% for spectroscopy **Uvasol** $C_6D_{18}N_3OP$ MW 197.32 1 l = 1.14 kg		1 ml 10 ml	55.— 490.—	
9606	*n*-**Octadecane** reference substance for gas chromatography $C_{18}H_{38}$ MW 254.50		5 ml	21.—	
	Octadecanol see Stearyl alcohol				
286	**Octadecan-3-one** for synthesis (ORG) $C_{18}H_{36}O$ MW 268.49		25 g	25.—	
	cis-9-Octadecenoic acid see Oleic acid				
	trans-9-Octadecenoic acid see Elaidic acid				
	9-Octadecenylamine see Oleylamine				
	Octadecyl alcohol see Stearyl alcohol				
7676	**Octadecylamine** for synthesis (ORG) $C_{18}H_{39}N$ MW 269.52	1.5	500 g	10.25	
3489	**Octadeuterobenzoic acid methyl ester** deuteration degree not less than 99% $C_8D_8O_2$ MW 144.20 1 l = 1.15 kg		1 ml 10 ml	35.— 290.—	

	Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4[illegible] •|• **Octadeutero-1,4-dibromobutane** deuteration degree not less than 99% $C_4H_8Br_2$ MW 223.97 1 l = 1.90 kg	1 ml 10 ml	34.— 290.—	
3915 •|• **Octadeuterodioxane** deuteration degree not less than 99% for spectroscopy **Uvasol** $C_4D_8O_2$ MW 96.16 1 l = 1.15 kg CERTIFICATE OF GUARANTEE: Suitability for IR and NMR spectroscopy passes test	1 ml 10 ml	44.— 380.—	
445 •|• **Octadeuteronaphthalene** deuteration degree not less than 99% $C_{10}D_8$ MW 136.23	5 g	100.—	
437 •|• **Octadeutero-2-propanol** deuteration degree not less than 99% **Uvasol** C_3D_8O MW 68.15 1 l = 0.92 kg CERTIFICATE OF GUARANTEE: Suitability for IR and NMR spectroscopy passes test	1 ml 10 ml	11.— 65.—	
481 **Octadeuterosulfolane** deuteration degree not less than 99% $C_4D_8O_2S$ MW 128.22 1 l = 1.35 kg	1 ml 5 ml	75.— 340.—	
176 •|• **Octadeuterotetrahydrofuran** deuteration degree not less than 98.5% for spectroscopy **Uvasol** C_4D_8O MW 80.16 1 l = 0.99 kg	1 ml 10 ml	55.— 500.—	
186 •|• **Octadeuterotoluene** deuteration degree not less than 99% for spectroscopy **Uvasol** C_7D_8 MW 100.19 1 l = 0.94 kg CERTIFICATE OF GUARANTEE: Suitability for IR and NMR spectroscopy passes test	1 ml 10 ml	12.— 95.—	

Octahydropyrimido(1,2:a)azepine
see 1,8-Diazabicyclo(5,4,0)undec-7-ene

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk package fob incl. packi Prices per k DM
6916	•I•	**Octamethylenediamine** for synthesis (ORG) $C_8H_{20}N_2$ MW 144.26	1.5	25 g	8.50	
		Octanal see Caprylaldehyde				
6910	•I•	*n*-**Octane** for synthesis (LAB) C_8H_{18} MW 114.23	1 l = 0.70 kg	250 ml aluminium bottle 1¼ l	36.75 160.—	
9716	•I•	*n*-**Octane** reference substance for gas chromatography C_8H_{18} MW 114.23		5 ml	21.–	
9689	•I•	*iso*-**Octane** reference substance for gas chromatography C_8H_{18} MW 114.23		5 ml	21.—	
4725	•I•	*iso*-**Octane** for fluorometry C_8H_{18} MW 114.23	1 l = 0.69 kg	1 l	30.—	
4718	•I•	*iso*-**Octane** for spectroscopy **Uvasol**® C_8H_{18} MW 114.23 CERTIFICATE OF GUARANTEE: Suitability for UV spectroscopy (1-cm cell; reference : water) Transmittance at 210 nm . . . . . min. 45% 220 nm . . . . . min. 73% 230 nm . . . . . min. 85% 270 nm . . . . . 100% Suitability for IR spectroscopy passes test	1 l = 0.69 kg	500 ml 1 l 2½ l	14.— 25.75 61.—	
		Octanedinitrile see Suberonitrile				
		Octanedioic acid see Suberic acid				
6921		**1,8-Octanediol** for synthesis (ORG) $C_8H_{18}O_2$ MW 146.23		25 g	10.50	
		Octanenitrile see Caprylonitrile				
		Octanoic acid see Caprylic acid				
991	•I•	**1-Octanol** pure $C_8H_{18}O$ MW 130.23	1 l = 0.82 kg	250 ml 1 l 9026/25 kg	4.50 10.—	9.20

			Volume			Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
						DM	DM
909	•|•	**3-Octanone** for synthesis (ORG) $C_8H_{16}O$ MW 128.22	1 l = 0.82 kg		1 l	7.10	
474		**Octyl acrylate** for synthesis (ORG) stabilised with 0.01% hydroquinone $C_{11}H_{20}O_2$ MW 184.28	1 l = 0.88 kg		25 ml	10.—	
		n-Octyl alcohol see 1-Octanol					
917	•|•	**Octylamine** for synthesis (ORG) $C_8H_{19}N$ MW 129.25	1 l = 0.78 kg		100 ml	11.—	
		tert-Octylamine see 1,1,3,3-Tetramethylbutylamine					
		n-Octyl chloride see 1-Chlorooctane					
930		**N-(4-Octyloxybenzylidene)-*p*-toluidine Licristal®** $C_{22}H_{29}NO$ MW 323.48	2		5 g 25 g 100 g	7.— 22.— 75.—	
904		**4-Octylphenol** for synthesis (ORG) $C_{14}H_{22}O$ MW 206.33	2		1 kg	12.75	
		Octylphenoldecaethyleneglycolether see Deca(ethylene glycol)monooctylphenyl ether					
		Oe . . . see E . . .					
00		**Oil bath** (LAB) Flash point . . . . about 300° C	1 l = 0.90 kg		aluminium bottle 1 l 5 l 50 kg	 5.80 21.—	 2.50
965		**Oil of cedar wood** for microscopy	1 l = 0.98 kg		25 ml 100 ml 500 ml	3.25 5.— 15.75	
		Oil of niobe see Methyl benzoate					

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
6981		**Oil of palm kernel** for determination of grease-proofness of packing materials acc. to DIN 53116	1		1 kg	15.75	
7045	•|•	**Oil of turpentine** DAB 7	1 l = 0.86 kg		1 l 2½ l 55 kg	8.50 19.50 price on application	
471	*	**Oleic acid** pure Erg B 6, BP 1958, JP VI, USP XVI $C_{18}H_{34}O_2$ MW 282.47	1 l = 0.89 kg		1 l 2½ l 50 kg	6.30 11.50	3.55
481	*	**Oleic acid** for biochemistry (LAB) $C_{18}H_{34}O_2$ MW 282.47	1 l = 0.89 kg		1 ml 5 ml	5.25 18.50	
6907		**Oleylamine** for synthesis (ORG) $C_{18}H_{37}N$ MW 267.50	1 l = 0.82 kg		250 ml	6.30	
		Opium see page 483					
		Oracet blue see Blue BZL					
6884		**Orange GGN** (C. I. No. 15 980) food dye E 111 $C_{16}H_{10}N_2Na_2O_7S_2$ MW 452.37	2		100 g	7.50	
6885		**Orange II** (C. I. No. 15 510, S. No. 189) for microscopy	1.8		25 g 100 g	3.25 6.30	
		Orange III see Methyl orange					
		Orange G solution see Papanicolaou's solutions					
		Orange acid 7 see Orange II					
		Orange acid 52 see Methyl orange					
7091		**Orcein** for microscopy	1.5		5 g	7.10	
7093		**Orcinol** cryst. $C_7H_8O_2 \cdot H_2O$ MW 142.16	1.9		5 g 25 g 100 g	6.30 21.— 74.—	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
0134	**Ornithine decarboxylase** (arginine dihydrolase) test broth (base) for microbiology (45 g for 5 litres of culture medium)	2		45 g 500 g 10 × 100 g	5.50 30.— 37.50	
3206	L(+)**Ornithine monohydrochloride** for biochemistry (LAB) $C_5H_{13}ClN_2O_2$ MW 168.62 TYPE ANALYSIS: Assay (perchloric acid titration; on dried substance) . . . 99% Melting-range . . . 237–245° C Specific rotation ($[\alpha]_D^{20}$°; c = 5, 1N HCl) . . +20° to +22° Sulfate (SO_4) . . . 0.01% Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.001 % Ammonium (NH_4) . . 0.0005% Sulfated ash . . . . . 0.1 % Loss on drying (105°C) . . . . . 1 %	4		5 g 25 g 1 kg	— 14.50 price on application	
1350	**Orotic acid** anhydrous $C_5H_4N_2O_4$ MW 156.10 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.4	P	**100 g** **1 kg** **5 kg** **25 kg**	5.50 40.— 195.—	 36.25
	Orthophosphoric acid see *ortho*-Phosphoric acid					
	Oscine see Scopoline					
	Osmic acid see Osmium(VIII) oxide					
3215	**Osmic acid solution** 2% for microscopy 1 l = 1.00 kg		T	5 ml	12.50	
4867	**Osmium(VIII) oxide** (LAB) OsO_4 MW 254.20 TYPE ANALYSIS: Non-volatile substances 0.02%			0.1 g 0.5 g 1 g 5 g	9.50 39.50 74.— 341.	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
		Oubain see *g*-Strophanthin					
24016	○	**Ovalbumin** cryst. lyophilised, for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.			5 g	60.—	
		3-Oxabutyl acetate see 2-Methoxyethyl acetate					
		Oxacycloheptane see Hexamethylene oxide					
		4-Oxadecylamine see 3-Hexyloxypropylamine					
		4-Oxa-1,2-epoxy-6-heptene see Glycidol allyl ether					
		4-Oxa-1,2-epoxyoctane see Glycidol n-butyl ether					
		4-Oxa-2,6-heptanediol see Dipropylene glycol					
495		**Oxalic acid** GR $C_2H_2O_4 \cdot 2\,H_2O$ MW 126.07 CERTIFICATE OF GUARANTEE: Assay of $C_2H_2O_4 \cdot 2\,H_2O$ min. 99.5% Chloride (Cl) . . max. 0.0005% Sulfate (SO_4) . . max. 0.002 % Total nitrogen (N) max. 0.001 % Heavy metals (as Pb) . . . max. 0.0005% Iron (Fe) . . . . max. 0.0002% Calcium (Ca) . . max. 0.0005% Residue on ignition . . max. 0.01 %	1.1	P	500 g 1 kg 5 kg	7.50 13.50 60.—	
490		**Oxalic acid Selectipur®** $C_2H_2O_4$ MW 90.04	1.1	P	5 kg	price on application	
492		**Oxalic acid** cryst. extra pure Erg B 6 $C_2H_2O_4 \cdot 2\,H_2O$ MW 126.07 TYPE ANALYSIS: Assay (oxidimetric) . 99% Chloride (Cl) . . . . 0.0025% Sulfate (SO_4) . . . . 0.02 % Total nitrogen (N) . . 0.005 % Heavy metals (as Pb) 0.002 % Iron (Fe) . . . . . 0.001 % Residue on ignition . 0.05 %	1.2	P 	500 g 1 kg 5 kg 9051/50 kg	5.— 7.50 31.—	 5.30
9965/0001		0.1 N Oxalic acid solution Titrisol (DBP No. 971 376) concentrated solution for preparation of 1 l of 0.1 N solution			ampoule	3.50	
		Oxalic acid-d_2 see Dideuterooxalic acid					

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
841	**Oxalic acid bis(cyclohexylidene hydrazide)** GR (reagent for copper) $C_{14}H_{22}N_4O_2$ MW 278.36 CERTIFICATE OF GUARANTEE: Melting-point . max. 206–210° C; Substances insoluble in methanol . max. 0.005%; Heavy metals (as Pb) . . max. 0.001%; Iron (Fe) . . max. 0.001%; Sulfated ash . . . max. 0.1%; Loss on drying (105°C) . . . . max. 0.5%; Suitability for determination of copper . . . passes test	3		25 g	7.10	
842	**Oxalic acid dihydrazide** GR $C_2H_6N_4O_2$ MW 118.10	1.5		25 g 100 g	7.50 20.50	
036	**Oxalyl chloride** for synthesis (LAB) $C_2Cl_2O_2$ MW 126.93 1 l = 1.45 kg TYPE ANALYSIS: Assay (argentometric) . 97%; d 20°/4° . . . . . 1.47–1.49; Refractive index ($n_D^{20°}$) . . . . . 1.429–1.433; Boiling-range . . . 63–66° C			20 ml	11.—	
	4-Oxa-2-octanol see Propylene glycol 1-monobutyl ether					
	4-Oxaoctylamine see 3-Butoxypropylamine					
	1,2-Oxathiolane 2,2-dioxide see 1,3-Propane sultone					
36	**Ox bile** dried purified for microbiology	1.8	P	100 g 500 g	12.75 52.50	
55	**Ox bile** dried purified Erg B 6	1.8	P	100 g 1 kg	9.50 72.50	
083	**Oxeladin citrate** $C_{26}H_{41}NO_{10}$ MW 527.62	2.2	P	25 g 100 g 1 kg	9.— 29.— 263.—	
	Oxepane see Hexamethylene oxide					

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Oxindole see 2-Indolinone					
	Oxine see 8-Hydroxyquinoline					
	17-Oxoandrost-5-en-3β-yl-sulfuric acid sodium salt see Dehydro-epi-androsterone sulfate sodium salt					
	2-Oxoglutaric acid see α-Ketoglutaric acid					
	4-Oxopentanoic acid see Levulinic acid					
2683	**3-Oxoquinuclidinium chloride** for synthesis (ORG) $C_7H_{12}ClNO$ MW 161.63			5 g	17.25	
	Oxy . . . see also Hydroxy . . .					
	Oxymercuridibromfluorescein sodium see Mercuridibromfluorescein					
	Oxynex® (antioxidants for fats and oils)					
6940	Oxynex® 2004	1.5		1 kg 10 kg	34.75	32.—
6941	Oxynex® 2378	2.1		1 kg 5 kg	20.— 93.—	
6944	Oxynex® 5603 powder	1.9		25 kg	price on application	
6946	Oxynex® LM			100 g 1 kg	16.75 138.—	
	Ozone paper see Potassium iodide starch paper					

		Volume			Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
					DM	DM
103	**Palladium(II) acetylacetonate** for synthesis (LAB) $C_{10}H_{14}O_4Pd$ MW 304.62	3		1 g	15.75	
105	**Palladium-barium sulfate** (10% Pd) hydrogenation catalyst (LAB)	1		10 g	21.	
106	**Palladium-calcium carbonate** (10% Pd) hydrogenation catalyst (LAB)	1		10 g	23.—	
104	**Palladium-charcoal activated** (10% Pd) hydrogenation catalyst (LAB)	3		10 g	19.50	
10	**Palladium(II) chloride** (min. 59% Pd) dry (LAB) $PdCl_2$ MW 177.31	0.5		1 g 5 g 10 g 100 g	11.75 48.25 95.— 840.—	
107	**Palladium(II) oxide** (about 85% Pd) hydrogenation catalyst (LAB) PdO MW 122.40	1		1 g	19.—	
508	**Palmitic acid** for synthesis (ORG) $C_{16}H_{32}O_2$ MW 256.43	2		1 kg	8.75	
09	**Palmitic acid** for biochemistry (LAB) $C_{16}H_{32}O_2$ MW 256.43	2		25 g	15.75	
510	**Palmitoyl chloride** for synthesis (ORG) $C_{16}H_{31}ClO$ MW 274.88 1 l = 0.91 kg			250 ml	13.25	

Palm kernel oil see Oil of palm kernel

PAN see 1-[2-Pyridylazo]-2-naphthol

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packag fob incl. pack Prices per k DM
8368	**Pancreas protease** 0.2 mAnson units/mg for biochemistry (LAB) This item has to be stored in a refrigerator. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	1.4	100 g	8.50	
8211	**Pancreas protease** 2 mAnson units/mg for biochemistry (LAB) This item has to be stored in a refrigerator. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	1.5	5 g	14.75	
8212	**Pancreas protease** lyophilised 8 mAnson units/mg for biochemistry (LAB) This item has to be stored in a refrigerator. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	3	1 g	10.50	
7131	**Pancreatin** for biochemistry (LAB) 0.1 mAnson units/mg Protease 0.15 U/mg Lipase 10 U/mg Amylase This item has to be stored in a refrigerator. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	1.6	100 g	5.80	
7132	**Pancreatin** for biochemistry (LAB) 0.4 mAnson units/mg Protease 0.6 U/mg Lipase 40 U/mg Amylase This item has to be stored in a refrigerator. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	2	100 g	10.25	
7130	**Pancreatin** FU VII 1 000 units/g Protease 4 000 units/g Lipase 8 000 units/g Amylase	1.6	250 g 1 kg 5 kg	8.— 23.75 105.—	
7133	**Pancreatin** 4 x NF XII Suppl I 3 500 units/g Protease 18 000 units/g Lipase 30 000 units/g Amylase	2	250 g 1 kg	19.50 63.—	
9047 *	**Pandy's reagent** for testing of cerebrospinal fluid 1 l = 1.00 kg		250 ml 1 l	4.25 10.50	

Panthenol see D(+)Pantothenyl alcohol

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
		D(+)Pantothenic acid calcium salt see calcium D(+)pantothenate				
		D(+)Pantothenic acid sodium salt see sodium D(+)pantothenate				
375		D(+)**Pantothenyl alcohol** (panthenol) $C_9H_{19}NO_4$ MW 205.26 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1	aluminium bottle 100 g 250 g 1 kg	prices on application	
114		D(+)**Pantothenyl alcohol** (panthenol) concentrate, about 33% for dry drug formulations, spray-dried		1 kg	price on application	
		N-Pantoyl-3-hydroxypropylamine see D(+)Pantothenyl alcohol				
143	○	**Papain** 1 mAnson unit/mg for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	1.7	25 g	4.75	
14	○	**Papain** water soluble 3.5 mAnson units/mg for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	2.2	5 g 25 g	4.25 12.—	
38	○	**Papain** bound to CM cellulose 0,2–0,3 U/mg for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.		0.25 g 1 g	50.— 180.	
39	○	**Papain** bound to cross-linked maleic anhydride 0.1–0.2 U/mg for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	3	0.25 g 1 g	50.— 180.—	
47		**Papain** 12 000 units/g egg albumin digesting power 1 : 350	1.7	100 g 1 kg 5 kg	8.— 65.— 284.—	
49		**Papain** pure 60 000 units/g	3	100 g 1 kg	29.50 241.—	
35		**Papain** special quality for breweries		5 kg	price on application	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packag fob incl. pack Prices per k DM
		Papanicolaou's solutions for cytological diagnosis of cancer and the endometrial state				
9253		Solution 1) Harris' Hematoxylin solution	1 l = 1.03 kg	100 ml 500 ml 2½ l	4.25 8.50 31.50	
6887		Solution 2) Orange G solution (OG 6)	1 l = 0.82 kg	100 ml 500 ml 2½ l	4.25 8.50 31.50	
9271		Solution 3a) Polychromic solution EA 31	1 l = 0.82 kg	100 ml 500 ml 2½ l	4.25 8.50 31.50	
9272		Solution 3b) Polychromic solution EA 50	1 l = 0.83 kg	100 ml 500 ml 2½ l	4.25 8.50 31.50	
		for cytodiagnosis				
9270		Solution 3c) Polychromic solution EA 65 (staining effect: red)	1 l = 0.83 kg	100 ml	4.25	
9269		Solution 3d) Polychromic solution EA 65 (staining effect: blue-green)	1 l = 0.83 kg	100 ml	4.25	
7140		**Papaverine** cryst. pure Erg B 6 $C_{20}H_{21}NO_4$ MW 339.39	2	100 g 250 g 1 kg	prices on application	
7141		**Papaverinium chloride** DAB 7, BP 1968, Cod Franç 1965, JP VII, NF XII, USP XVI $C_{20}H_{22}ClNO_4$ MW 375.86 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2	100 g 250 g 1 kg 5 kg	prices on application	
7145		**Papayotin** 3000 units/g egg albumin digesting power 1 : 100	1.6	250 g 1 kg 5 kg	9.25 30.50 137.—	
		PAR see 4-(2-Pyridylazo)-resorcinol monosodium salt				

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
[illegible]	**Paraffin** in block form solidification point 42–44° C for histology	1.5	1 kg	[illegible]	
150	**Paraffin** in block form solidification point about 42–44° C TYPE ANALYSIS: Free acid . . . . . equiv. to 0.1 ml/0.1 N KOH/g Sulfated ash 0.05%	1.3	1 kg 9051/50 kg	6.80 price on application	
151	**Paraffin** in block form solidification point about 46–48° C TYPE ANALYSIS: Free acid . . . . . equiv. to 0.1 ml/0.1 N KOH/g Sulfated ash 0.05%	1.3	1 kg 9051/50 kg	5.80 price on application	
155	**Paraffin** in block form solidification point 51–53° C (prepared mixed paraffin) for histology	[illegible]	1 kg	8.50	
157	**Paraffin** non-caking solidification point about 51–53° C		1 kg	5.80	
152	**Paraffin** in block form solidification point about 52–54° C TYPE ANALYSIS: Free acid . . . . . equiv. to 0.1 ml/0.1 N KOH/g Sulfated ash 0.05%	1.3	1 kg 9051/50 kg	5.80 price on application	
53	**Paraffin** in block form solidification point about 56–58° C DAB 7 TYPE ANALYSIS: Free acid . . . . . equiv. to 0.1 ml/0.1 N KOH/g Sulfated ash 0.05%	1.3	1 kg 9051/50 kg	5.80 price on application	
[illegible]	**Paraffin** in block form solidification point 57–60° C for histology	1.5	1 kg	[illegible]	
58	**Paraffin** non-caking solidification point about 57–60° C DAB 7		1 kg	5.80	
173	**Paraffin** non-caking solidification point about 68–72° C		1 kg	9.—	
54	**Paraffin** in block form solidification point about 69–73° C DAB 6 TYPE ANALYSIS: Free acid . . . . . equiv. to 0.1 ml/0.1 N KOH/g Sulfated ash 0.05%	1.3	1 kg 9051/50 kg	9.— price on application	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7161	**Paraffin** liquid for spectroscopy **Uvasol** CERTIFICATE OF GUARANTEE: Suitability for IR spectroscopy passes test	1 l = 0.88 kg	100 ml 500 ml	5.80 19.50	
7162	**Paraffin** liquid Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1 l = 0.88 kg	1 l	8.50	
7174	**Paraffin** highly liquid DAB 7	1 l = 0.88 kg	1 l 5 l 50 kg	5.80 23.—	3.55
7160	**Paraffin** viscous DAB 7, BP 1963, JP VII, USP XVII	1 l = 0.88 kg	1 l 5 l 50 kg	5.80 23.—	3.55
	Paraform see Paraformaldehyde				
4005	**Paraformaldehyde** Erg B 6, BPC 1954 $HO(CH_2O)_nH$	1.6	1 kg 5 kg 50 kg	6.30 23.—	3.45
	Paraformaldehyde-d_n see Perdeuteroparaformaldehyde				
4004	**Paraformaldehyde tablets** 1 g for use as disinfectant		100 tabl. 1000 tabl.	3.75 11.50	
7165 •I• *	**Paraldehyde** extra pure DAB 7, BP 1968 $C_6H_{12}O_3$ MW 132.16 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1 l = 0.99 kg	500 ml 1 l aluminium bottle 5 l aluminium can 25 kg	4.75 7.50 31.50	5.50
7601	**Pararosaniline** (base) (C. I. No. 42 500, S. No. 779) for microscopy	1.3	25 g	6.30	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
353	**Patent blue V** E 131 (C. I. No. 42051, S. No. 826), food dye $C_{54}H_{62}CaN_4O_{14}S_4$ MW 1159.45	2.3	100 g	21.—	

Patinal®

Aluminium oxide	Lanthanium fluoride
Antimony(III) oxide	Lead(II) fluoride
Antimony(III) sulfide	Lithium fluoride
Blue A	Magnesium fluoride
Brown A	Magnesium oxide
Brown C	Neodymium fluoride
Cadmium selenide	Neodymium oxide
Cadmium sulfide	Silicon monoxide
Calcium fluoride	Sodium fluoride
Cerium fluoride	Tantalum(V) oxide
Cerium(IV) oxide	Titanium(II) oxide
Chiolithe	Zinc selenide
Chromium(III) oxide	Zinc sulfide
Kryolith	Zirconium(IV) oxide

Pear oil see Amyl acetate

Pearl pigments see **Iriodin®**

166	**Pelargonaldehyde** for synthesis (ORG) $C_9H_{18}O$ MW 142.24 1 l = 0.83 kg		50 ml	11.—	
68	**Pelargonic acid** (nonanoic acid) for biochemistry (LAB) $C_9H_{18}O_2$ MW 158.24 1 l = 0.91 kg		25 ml	12.75	
167	**Pelargonic acid** (nonanoic acid) for synthesis (ORG) $C_9H_{18}O_2$ MW 158.24 1 l = 0.91 kg		250 ml	8.50	
169	**Pelargonic vanillylamide** $C_{17}H_{27}NO_3$ MW 293.41	3.5	100 g 1 kg	84.— price on application	
172	**Pelargononitrile** for synthesis (ORG) $C_9H_{17}N$ MW 139.24 1 l = 0.80 kg		25 ml	9.50	
171	**Pelargonyl chloride** for synthesis (ORG) $C_9H_{17}ClO$ MW 176.69 1 l = 0.94 kg		250 ml	16.75	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packag fob incl. pac Prices per DM
	Pentacalcium hydroxide triphosphate see *tri*-Calcium phosphate				
7042	**Pentachlorophenol** for synthesis (LAB) C_6HCl_5O MW 266.34	2	250 g 1 kg	12.75 40.—	
1832	**Pentachlorophenol** purified C_6HCl_5O MW 266.34	2	9026/25 kg		25.—
7114	**Pentadecafluorooctanoic acid** for synthesis (LAB) $C_8HF_{15}O_2$ MW 414.07		10 g	20.—	
9607	*n*-**Pentadecane** reference substance for gas chromatography $C_{15}H_{32}$ MW 212.42		5 ml	21.—	
666	**Pentadecanoic acid** for biochemistry (LAB) $C_{15}H_{30}O_2$ MW 242.41	3	10 g	16.25	
661	**Pentadecanoic acid** for synthesis (ORG) $C_{15}H_{30}O_2$ MW 242.41		10 g	13.25	
3471	**2,3,4,5,6-Pentadeuteroaniline** deuteration degree not less than 99% $C_6H_2D_5N$ MW 98.16 1 l = 1.08 kg		5 ml	85.—	
1754	**Pentadeuterobenzaldehyde** deuteration degree not less than 99% C_7HD_5O MW 111.16 1 l = 1.10 kg		5 ml	115.—	
3488	**Pentadeuterobenzoic acid** deuteration degree not less than 99% $C_7HD_5O_2$ MW 127.16		5 g	75.—	
3491	**Pentadeuterobenzonitrile** deuteration degree not less than 99% for spectroscopy **Uvasol**® C_7D_5N MW 108.16 1 l = 1.05 kg		1 ml 10 ml	30.— 260.—	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
490	•|•	**Pentadeuterobenzoyl chloride** deuteration degree not less than 99% C_7D_5ClO MW 145.60	1 l = 1.26 kg		5 ml	100.—	
810	•|•	**Pentadeuterobenzyl alcohol** deuteration degree not less than 99% $C_7H_3D_5O$ MW 113.17	1 l = 1.10 kg		5 ml	150.—	
[illegible]	•|•	**Pentadeuteroethyl bromide** deuteration degree not less than 98% C_2D_5Br MW 114.00	1 l = 1.60 kg		5 ml	85.—	
[illegible]	•|•	**Pentadeuteronitrobenzene** deuteration degree not less than 99% for spectroscopy **Uvasol**® $C_6D_5NO_2$ MW 128.14 CERTIFICATE OF GUARANTEE: Suitability for IR and NMR spectroscopy passes test	1 l = 1.25 kg		1 ml 10 ml	12.— 90.—	
459	•|•	**Pentadeuteropyridine** deuteration degree not less than 99% for spectroscopy **Uvasol**® C_5D_5N MW 84.13 CERTIFICATE OF GUARANTEE: Suitability for IR and NMR spectroscopy passes test	1 l = 1.05 kg		1 ml 5 ml 10 ml 100 ml	15.— 57.50 110.— 1000.—	
31		**Pentaerythritol** for synthesis (ORG) $C_5H_{12}O_4$ MW 136.15	2		1 kg	8.50	
		2′,3,4′,5,7-Pentahydroxyflavone see Morin					
		3,3′,4′,5,7-Pentahydroxyflavone-3-rhamnoglucoside see Rutin					
32	•|•	**Pentamethylenediamine** for synthesis (ORG) $C_5H_{14}N_2$ MW 102.18	1 l = 0.87 kg		10 ml	16.—	
		Pentanal see Valeraldehyde					

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7177	*n*-**Pentane** about 99% GR C_5H_{12} MW 72.15	1 l = 0.62 kg	250 ml 1 l	7.50 20.—	
	CERTIFICATE OF GUARANTEE: Assay (gas chromatographic) . . . min. 99% d 20°/4° . . . . . 0.624–0.626 Refractive index ($n_D^{20°}$) . . . . 1.3580–1.3590 Boiling-range . . 34–36° C Aromatic substances (as benzene) max. 1 mg/100 ml Non-volatile substances . . max. 0.0005% Water (acc. to Karl Fischer) max. 0.01 %				
7179	*n*-**Pentane** for spectroscopy **Uvasol**® C_5H_{12} MW 72.15	1 l = 0.62 kg	250 ml 1 l	8.— 23.75	
9719	*n*-**Pentane** reference substance for gas chromatography C_5H_{12} MW 72.15		5 ml	15.75	
7176	*n*-**Pentane** about 95% C_5H_{12} MW 72.15	1 l = 0.62 kg	500 ml aluminium bottle 1¼ l standard box 8 x 1¼ l 5 l	5.— 10.— 32.50	
	iso-Pentane see 2-Methylbutane				
	Pentanedinitrile see Glutaronitrile				
7061	**1,5-Pentanediol** for synthesis (ORG) $C_5H_{12}O_2$ MW 104.15	1 l = 0.99 kg	250 ml	9.50	
7065	**2,4-Pentanediol** for synthesis (ORG) $C_5H_{12}O_2$ MW 104.15	1 l = 0.96 kg	25 ml	16.—	
	Pentanoic anhydride see Valeric anhydride				
	1-Pentanol see *n*-Amyl alcohol				
7501	**2-Pentanol** for synthesis (ORG) $C_5H_{12}O$ MW 88.15	1 l = 0.81 kg	250 ml	7.50	
7502	**3-Pentanol** for synthesis (ORG) $C_5H_{12}O$ MW 88.15	1 l = 0.82 kg	100 ml	14.25	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
		4-Pentanolide see γ-Valerolactone					
		2-Pentanone see Methyl propyl ketone					
		3-Pentanone see Diethyl ketone					
		Pentanoyl chloride see Valeryl chloride					
		Pentyl acetate see *n*-Amyl acetate					
		Pentyl alcohol see n-Amyl alcohol					
		Pentyl bromide see 1-Bromopentane					
		iso-Pentyl bromide see 1-Bromo-3-methylbutane					
749		**4-*tert*-Pentylphenol** for synthesis (ORG) $C_{11}H_{16}O$ MW 164.25			250 g 1 kg	5.50 14.75	
		Pentyl phenyl ketone see 1-Phenyl-1-hexanone					
		Pentymal see Amobarbital					
185	○	**Pepsin*** 1 mAnson unit/mg for biochemistry (LAB)	1.8		25 g 100 g	4.75 11.—	
188	○	**Pepsin*** 3.5 mAnson units/mg for biochemistry (LAB)	1.6		10 g	5.—	
191	○	**Pepsin*** lyophilised 11 mAnson units/mg for biochemistry (LAB)			5 g	21.—	
192	○	**Pepsin*** cryst. lyophilised 100 mU/mg for biochemistry (LAB)			1 g	25.25	
		* These items have to be stored in a refrigerator. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.					
187		**Pepsin** 1000 units/g DAB 5	1.8	P	500 g 1 kg 5 kg 25 kg	6.10 10.50 43.—	7.50

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7180	**Pepsin** 1200 units/g DAB 6	1.9	500 g 1 kg 5 kg 25 kg	6.80 12.50 53.—	 9.—
7197	**Pepsin** 10 000 units/g DAB 7	1.6	100 g 250 g 1 kg 5 kg	7.50 17.50 58.— 263.—	
7182	**Pepsin** 10 000 units/g BPC 1959	1.8	100 g 250 g 1 kg	6.60 14.75 52.—	
7183	**Pepsin** 10 000 units/g NF XII	1.6	100 g 250 g 1 kg	7.50 17.50 58.—	
7190	**Pepsin** 30 000 units/g, digestive power acc. to NF XII = 1 : 10 000	1.6	100 g 1 kg 5 kg	21.— 184.— 840.—	
7189	**Pepsin** 35 000 units/g, digestive power acc. to DAB 6 = 1 : 3500	1.6	25 g 100 g	6.60 23.25	
7194 ○	**Pepsin** 110 000 units/g This item has to be stored in a refrigerator. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.		25 g	79.—	
24017 ○	**Pepsinogen** chromatographically purified lyophilised 100 mU/mg (after activation) for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.		50 mg	125.—	
7196	**Pepsin solution** 1200 units/g in glycerol (1 g corresp. in activity to 1 g Pepsin DAB 6) 1 l = 1.16 kg		250 ml 1 l 2½ l 50 l	5.80 16.75 33.—	 litre 11.90
7213	**Peptone** from casein trypsin-digested for microbiology	2.6	250 g 1 kg 5 kg	10.— 31.50 142.—	
7216	**Peptone** from casein, dried	2.2	250 g 1 kg 5 kg 25 kg	9.50 29.— 126.—	 23.75

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7224	**Peptone** from meat pepsin-digested for microbiology	6.5	250 g 1 kg 5 kg	16.75 56.— 247.—	
7214	**Peptone** from meat trypsin-digested for microbiology	2.1	250 g 1 kg 5 kg	16.75 56.— 247.—	
7211	**Peptone** from meat, dried	2.3	250 g 1 kg 5 kg	14.— 46.— 200.—	
7212	**Peptone** from soya bean flour papain-digested for microbiology	2	100 g 500 g	8.50 32.50	
7217	**Peptone** from soya bean flour papain-digested	2	250 g 1 kg	20.— 69.—	

see also Universal peptone

516 **Perchloric acid** about 20% (about 1.12) GR
$HClO_4$ MW 100.46 — 1 l = 1.12 kg

500 ml 5.—
1 l 7.50

CERTIFICATE OF GUARANTEE:

Assay of $HClO_4$	min. 20%	Lead (Pb)	max. 0.00001%
Substances insoluble in ethanol	max. 0.0005 %	Silver (Ag)	max. 0.0005 %
Chloride (Cl)	max. 0.0001 %	Copper (Cu)	max. 0.00001%
Free chlorine (Cl)	max. 0.00005%	Manganese (Mn)	max. 0.00003%
Sulfate (SO_4)	max. 0.0005 %	Zinc (Zn)	max. 0.00001%
Phosphate and silicate (as SiO_2)	max. 0.002 %	Cadmium (Cd)	max. 0.00001%
Total nitrogen (N)	max. 0.001 %	Iron (Fe)	max. 0.0001 %
		Residue on ignition (as sulfates)	max. 0.003 %

518 **Perchloric acid** about 60% (about 1.53) GR
$HClO_4$ MW 100.46 — 1 l = 1.53 kg

500 ml 7.75
1 l 13.75
2½ l 30.50
standard box
15 x 1 l 1 l 13.—
8 x 15 x 1 l 1 l 12.25
6 x 2½ l 2½ l 29.—
8 x 6 x 2½ l 2½ l 27.50

	if 100 kg
25 kg	7.-- 6.60
50 kg	6.— 5.90

CERTIFICATE OF GUARANTEE:

Assay of $HClO_4$	min. 60%	Lead (Pb)	max. 0.00001%
Substances insoluble in ethanol	max. 0.001 %	Silver (Ag)	max. 0.0005 %
Chloride (Cl)	max. 0.0003 %	Copper (Cu)	max. 0.00001%
Free chlorine (Cl)	max. 0.00005%	Manganese (Mn)	max. 0.00005%
Sulfate (SO_4)	max. 0.001 %	Zinc (Zn)	max. 0.00005%
Phosphate and silicate (as SiO_2)	max. 0.005 %	Cadmium (Cd)	max. 0.00001%
Total nitrogen (N)	max. 0.002 %	Iron (Fe)	max. 0.0002 %
		Residue on ignition (as sulfates)	max. 0.003 %

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
517	**Perchloric acid** about 70% (about 1.67) **Suprapur**® $HClO_4$ MW 100.46 1 l = 1.67 kg CERTIFICATE OF GUARANTEE: Assay of $HClO_4$ (acidimetric) . . . . . about 70% Chloride (Cl) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Phosphate (PO_4) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Lead (Pb) . . . . . max. $2 \cdot 10^{-6}$ % (0.02 ppm) Copper (Cu) . . . . . max. $5 \cdot 10^{-7}$ % (0.005 ppm) Nickel (Ni) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Cobalt (Co) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Iron (Fe) . . . . . max. $2 \cdot 10^{-6}$ % (0.02 ppm) Zinc (Zn) . . . . . max. $5 \cdot 10^{-7}$ % (0.005 ppm) Manganese (Mn) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Thallium (Tl) . . . . . max. $5 \cdot 10^{-7}$ % (0.005 ppm) Calcium (Ca) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Barium (Ba) . . . . . max. $1 \cdot 10^{-4}$ % (1 ppm) Sodium (Na) . . . . . max. $1 \cdot 10^{-4}$ % (1 ppm)		100 ml 1 l	21.— 137.—	
519	**Perchloric acid** about 70% (about 1.67) GR $HClO_4$ MW 100.46 1 l = 1.67 kg CERTIFICATE OF GUARANTEE: Assay of $HClO_4$ min. 70% Substances insoluble in ethanol . . . max. 0.001 % Chloride (Cl) . max. 0.0003 % Free chlorine (Cl) . . . . . max. 0.00005% Sulfate (SO_4) . max. 0.001 % Phosphate and silicate (as SiO_2) . . max. 0.005 % Total nitrogen (N) . . . . . max. 0.002 % Lead (Pb) . . . max. 0.00001% Silver (Ag) . . max. 0.0005 % Copper (Cu) . max. 0.00001% Manganese (Mn) max. 0.00005% Zinc (Zn) . . . max. 0,00005% Cadmium (Cd) . max. 0.00001% Iron (Fe) . . . . max. 0.0002 % Residue on ignition (as sulfates) . max. 0.003 %		500 ml 1 l 2½ l standard box 15 x 1 l 8 x 15 x 1 l 6 x 2½ l 8 x 6 x 2½ l 25 kg 50 kg	9.— 16.— 36.— 1 l 15.— 1 l 14.— 2½ l 34.20 2½ l 32.50	if 100 kg 8.— 7.50 7.— 6.75
9065	* **0.1 N Perchloric acid** in anhydrous acetic acid for titrations in non-aqueous media		250 ml 1 l	8.25 24.75	
	Perchloroethylene see Tetrachloroethylene				
3484	**Perdeuteroparaformaldehyde** (content of dideuteroformaldehyde about 90%) deuteration degree not less than 99%		1 g 10 g	18.50 150.—	
3410	**Perdeuteropolyethylene** powder $(CD_2CD_2)_x$		10 g	price on application	
10101	**Perdeuteropolystyrene** deuteration degree not less than 99%		5 g	375.—	
	Perfluorooctanoic acid see Pentadecafluorooctanoic acid				
5264	**Perfringens selective agar** acc. to Marshall (tryptone sulfite neomycin agar, TSN agar) for microbiology (40 g for 1 litre of culture medium)	2.1	40 g 500 g 10 x 500 g	8.— 73.— 70.—	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
209	•|•	**Perhydrol**® (30% w/w H_2O_2 = 100 vol O) GR H_2O_2 MW 34.01 — 1 l = 1.11 kg CERTIFICATE OF GUARANTEE: Assay of H_2O_2 min. 30% Non-volatile substances . max. 0.005 % Free acid (as H_2SO_4) max. 0.003 % Chloride (Cl) max. 0.00005 % Sulfate (SO_4) . max. 0.0002 % Phosphate (PO_4) . . . . max. 0.0002 % Total nitrogen (N) . . . . max. 0.0004 % Lead (Pb) . . max. 0.000002% Copper (Cu) . max. 0.000002% Nickel (Ni) . . max. 0.000002% Iron (Fe) . . . max. 0.00001 %		250 ml 1 l standard box 20 x 1 l 4 x 20 x 1 l	6.– 15.50 1 l 14.50 1 l 14.–
210	•|•	**Perhydrol**® (30% w/w H_2O_2 = 100 vol O) GR (stabilised for higher storage temperature) H_2O_2 MW 34.01 — 1 l = 1.11 kg CERTIFICATE OF GUARANTEE: Assay of H_2O_2 min. 30% Non-volatile substances . max. 0.005 % Free acid (as H_2SO_4) . max. 0.003 % Chloride (Cl) . max. 0.00008 % Sulfate (SO_4) . max. 0.0002 % Phosphate (PO_4) max. 0.0005 % Total nitrogen (N) . . . . . max. 0.0002 % Lead (Pb) . . . max. 0.000002% Copper (Cu) . . max. 0.000002% Nickel (Ni) . . max. 0.000002% Iron (Fe) . . . max. 0.00001 %		250 ml 1 l	6.– 15.50
524		**Periodic acid** cryst. GR H_5IO_6 MW 227.94 CERTIFICATE OF GUARANTEE: Assay of H_5IO_6 . . min. 99.5 % Iodide (I) . . . . max. 0.001% Sulfate (SO_4) . . . max. 0.01 % Residue on ignition . . . . max. 0.2 %	0.6	25 g 100 g	7.60 23.25	
129		**Permutit**® for determination of urea	1	100 ml 500 ml	4.50 13.25	
139		**Permutit**® **T** (Decalso, activated)	1.5	50 g 250 g	7.10 29.50	
123	○	**Peroxidase** 1000 U/mg for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.		0.1 g	70.–	
102		**Peruvian balsam** natural DAB 7, BPC 1954, NF XI	1	100 g 250 g 1 kg 5 kg	7.50 15.75 51.– 220.–	
199		**Peruvian balsam** synthetic	1	250 g 1 kg	6.10 16.75	

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			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packag fob incl. pack Prices per DM
[illegible]	•I•	**Petroleum** GR	1 l = 0.79 kg	aluminium bottle 1¼ l	9.—	
1770	•I•	**Petroleum benzine** boiling-range 100–140° C	1 l = 0.73 kg	1 l 5 l 40 kg	4.50 15.75	 2.15
1774	•I•	**Petroleum benzine** GR boiling-range 60–80° C CERTIFICATE OF GUARANTEE: Acid number . . . max. 0.005 d 20°/4° . . . . . 0.665–0.675 Boiling-range . . 60–80° C Aromaten (as Benzene) . . max. 0.005% Iodine number . . max. 0.3 Readily carbonisable substances . . . passes test Water . . . . . max. 0.01 % Non-volatile substances . . . max. 0.001%	1 l = 0.67 kg	500 ml 1 l 5 l	5.50 9.50 40.—	
910	•I•	**Petroleum benzine** (petroleum ether) boiling-range 50–70° C	1 l = 0.66 kg	1 l 5 l 25 kg 40 kg	5.75 20.—	 3.65 3.50
1773	•I•	**Petroleum benzine** (petroleum ether) DAB 6, boiling-range 50–75° C	1 l = 0.66 kg	1 l 5 l 25 kg 40 kg	5.— 17.50	 2.90 2.75
[illegible]	•I•	**Petroleum benzine** GR boiling-range 40–60° C CERTIFICATE OF GUARANTEE: Acid number . . . max. 0.005 d 20°/4° . . . . . 0.641–0.655 Boiling-range . . 40–60° C Aromaten (as Benzene) . . max. 0.02% Iodine number . . max. 0.3 Readily carbonisable substances . . . passes test Water . . . . . max. 0.01 % Non-volatile substances . . . max. 0.001%	1 l = 0.65 kg	500 ml 1 l 5 l standard box 15 x 1 l 1 l 8 x 15 x 1 l 1 l 6 x 5 l 5 l 4 x 6 x 5 l 5 l	5.50 9.50 40.— 8.50 8.— 36.— 34.—	
909	•I•	**Petroleum benzine** (petroleum ether) DAB 7, boiling-range 40–60° C	1 l = 0.64 kg	1 l 5 l 25 kg 40 kg	5.75 20.—	 3.65 3.50
915	•I•	**Petroleum benzine** (petroleum ether) boiling-range to about 40° C	1 l = 0.62 kg	1 l 5 l 25 kg 40 kg	6.30 24.25	 5.30 5.10

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		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
71	**FAM Benzine standard** DIN 51635 and DIN 51557 1 l = 0.70 kg TYPE ANALYSIS: Density at 15°C (DIN 51757) . . 0.690–0.705 Boiling-range (DIN 51751) . . . 65–95°C Aniline point (DIN 51775) . . . 59–61°C Doctor test (DIN 51765) . . . negative Activated sulfur (DIN 51760) copper corrosion negative Aromatic substances . 0.2–2% Precipitating power for hard asphalt corresponding to DIN 51 557 test Non-volatile substances (DIN 51776) . . 2 mg/100 ml			2 l 5 l	13.50 26.75	
20	**Phenacetin** cryst. DAB 7, BP 1968, Cod Franç 1965, Ph Internat I, USP XVII $C_{10}H_{13}NO_2$ MW 179.22	1.6		1 kg 5 kg	10.50 45.—	
				50 kg 5 x 50 kg		8.60 8.40
21	**Phenacetin** powder DAB 7, BP 1968, Cod Franç 1965, Ph Internat I, USP XVII $C_{10}H_{13}NO_2$ MW 179.22	1.9		1 kg 5 kg	10.50 45.—	
				50 kg 5 x 50 kg		8.60 8.40
	Phenacyl bromide see 2-Bromoacetophenone					
	Phenanthrene-d_{10} see Decadeuterophenanthrene					
5	**1,10-Phenanthroline** (monohydrate) GR and redox indicator $C_{12}H_8N_2 \cdot H_2O$ MW 198.23 CERTIFICATE OF GUARANTEE: Assay (perchloric acid titration; on anhydrous substance) min. 99.5% Melting-range (of anhydrous substance) 117–120° C Water . . . . . 8.8–9.6 % Sulfated ash . . . max. 0.05% Molar extinction of the iron complex > 11700	2	P	5 g 10 g 100 g	8.25 14.50 116.–	
	1.10-Phenanthroline iron(II) salt solution see Ferroin solution					
3	**1,10-Phenanthrolinium chloride** (monohydrate) GR and redox indicator [reagent for iron(II)] $C_{12}H_9ClN_2 \cdot H_2O$ MW 234.69 CERTIFICATE OF GUARANTEE: Assay . . . . . min. 99.5% Melting-range . . . 224–228° C Sulfated ash . . . max. 0.2 % Water (acc. to Karl Fischer) . . . . max. 7.8 % Suitability for determination of iron . . . . . passes test	1.6	P	5 g 10 g 100 g	7.60 13.25 105.	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7456		**Phenazone** cryst. DAB 7, BPC 1968, Cod Franç 1965, NF XII, Ph Internat II, Ph Ned VI $C_{11}H_{12}N_2O$ MW 188.23	1.4	P	250 g	5.30	
					1 kg	17.25	
					5 kg	82.—	
					50 kg		15.50
					5 x 50 kg		15.25
7457		**Phenazone** fine powder DAB 7, BPC 1968, Cod Franç 1965, NF XII, Ph Internat II, Ph Ned VI $C_{11}H_{12}N_2O$ MW 188.23	2.3	P	250 g	5.50	
					1 kg	18.—	
					5 kg	85.—	
					50 kg		16.—
					5 x 50 kg		15.75
		Phenethyl alcohol see 1-Phenylethanol					
7334		**Phenethylamine** for synthesis (ORG) $C_8H_{11}N$ MW 121.18 1 l = 0.96 kg			100 ml	11.50	
7000	•|•	*o*-**Phenetidine** for synthesis (ORG) $C_8H_{11}NO$ MW 137.18 1 l = 1.04 kg			250 ml	13.25	
7002	•|•	*p*-**Phenetidine** for synthesis (ORG) $C_8H_{11}NO$ MW 137.18 1 l = 1.05 kg			250 ml	8.—	
7336	•|•	**Phenetole** for synthesis (ORG) $C_8H_{10}O$ MW 122.17 1 l = 0.97 kg			250 ml	7.—	
7200		**Phenindione** (2-phenyl-1,3-indandione) BP 1958, NND 1962 $C_{15}H_{10}O_2$ MW 222.25	2.5	P	100 g	13.25	
					1 kg	115.—	
500515		**Phenobarbital** * (5-ethyl-5-phenylbarbituric acid) DAB 7, BP 1963, Cod Franç 1949, JP VI, Ph Internat I, USP XVI $C_{12}H_{12}N_2O_3$ MW 232.24	1.9	P	100 g	7.50	
					1 kg	55.—	
					5 kg	265.—	
					25 kg		51.25
500516		**Phenobarbital** * (5-ethyl-5-phenylbarbituric acid) fine powder DAB 7, BP 1963, Cod Franç 1949, JP VI, Ph Internat I, USP XVI $C_{12}H_{12}N_2O_3$ MW 232.24	4	P	100 g	7.50	
					1 kg	57.—	
					5 kg	270.—	
					25 kg		52.50

* Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
518	**Phenobarbital sodium** (5-ethyl-5-phenylbarbituric acid, sodium salt) DAB 7, BP 1968, Ph Ned VI, USP XVII $C_{12}H_{11}N_2NaO_3$ MW 254.22 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2	100 g 1 kg 5 kg 25 kg	6.65 48.75 237.50	 46.25
06	**Phenol** GR C_6H_5OH MW 94.11 CERTIFICATE OF GUARANTEE: Assay (gas chromatographic) min. 99.5% Solidifying-point 40–41° C Chloride (Cl) . . max. 0.0005% Iron (Fe) . . . . max. 0.0001% o-Cresol . . . . max. 0.05 % m-Cresol . . . . max. 0.05 % p-Cresol . . . . max. 0.05 % Water . . . . . max. 0.2 % Non-volatile substances . . max. 0.01 %	1.5	250 g 500 g 1 kg 5 kg	5. 8.— 13.- 58.—	
200	**Phenol** detached cryst. DAB 7, BP 1968, Ph Ned VI, USP XVII C_6H_5OH MW 94.11 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.5	500 g 1 kg 5 kg case cont. 9051/50 kg (4 tins of 12½ kg)	5.80 9.— 35.75	 6.10
	Phenol reagent acc. to Folin and Ciocalteu see Folin-Ciocalteu's phenol reagent				
	Phenol-2,4-diammonium dichloride see 4-Hydroxy-m-phenylenediammonium dichloride				
33	**Phenolphthalein** indicator $C_{20}H_{14}O_4$ MW 318.33 pH 8.2–9.8 colourless to red-violet	1.5	25 g 100 g 500 g	3.50 5.50 19	
230	**Phenolphthalein** extra pure DAB 6, BP 1963, Cod Franç 1949, NF XI $C_{20}H_{14}O_4$ MW 318.33	1.5	250 g 1 kg 5 kg 50 kg 2 x 50 kg	6.— 18.50 80.—	 14.25 13.75

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7231	**Phenolphthalein** fine powder extra pure DAB 6, BP 1963, Cod Franç 1949, NF XI $C_{20}H_{14}O_4$ MW 318.33	2.3	**1 kg** **5 kg**	20.— 84.—	
9521/0001	**Phenolphthalein paper** (booklet cont. 100 strips)		**10 booklets** booklet **50 booklets** booklet	—.63 .58	
7227	**Phenolphthalein solution** 1% in ethanol indicator pH 8.2–9.8 colourless to red-violet 1 l = 0.89 kg		**250 ml** **1 l**	4.25 9.50	
7234	**Phenolphthalein solution** 1% in ethanol (acc. to DAB 6) indicator 1 l = 0.89 kg		**100 ml** **500 ml**	5.80 19.—	
7238	**Phenolphthalein solution** (DIN 8106) indicator 1 l = 0.80 kg		**250 ml** **1 l**	4.25 9.—	
7240	**Phenol red** (phenolsulfonphthalein) for preparation of solution for the kidney function test $C_{19}H_{14}O_5S$ MW 354.38 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	3	**100 g**	80	
7241	**Phenol red** (phenolsulfonphthalein) indicator $C_{19}H_{14}O_5S$ MW 354.38 pH 6.4–8.2 yellow to red	3	**5 g** **25 g** **100 g**	4.— 10.50 36.25	
7242	**Phenol red solution** indicator for gastric-acid titration		**100 ml**	3.50	
	Phenolsulfonphthalein see Phenol red				
447034	**Phenolsulfonphthalein solution** for the kidney function test (ampoules 6 mg/10 ml)		**10 ampoules**	9.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
285	**Phenoltetrabromophthaleinsulfonic acid disodium salt** (Bromthalein®) $C_{20}H_8Br_4Na_2O_{10}S_2$ MW 838.02 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.8	100 g	119.—	
367	**Phenoxyacetic acid** for synthesis (ORG) $C_8H_8O_3$ MW 152.15		250 g	9.50	
	2-(Phenoxy)-ethanol see Ethylene glycol monophenyl ether				
052	**Phenylacetaldehyde diethylacetal** for synthesis (ORG) $C_{12}H_{18}O_2$ MW 194.28 1 l = 0.96 kg		25 ml	12.75	
	Phenylacetone see Benzyl methyl ketone				
	Phenylacetonitrile see Benzyl cyanide				
076	**Phenylacetyl chloride** for synthesis (ORG) C_8H_7ClO MW 154.60 1 l = 1.17 kg		100 ml	10.—	
44	**Phenylacetylene** for synthesis (ORG) C_8H_6 MW 102.14 1 l = 0.93 kg		25 ml	16.25	
	3-Phenylacrylic acid see Cinnamic acid				
68	D-**Phenylalanine** for biochemistry (LAB) $C_9H_{11}NO_2$ MW 165.19	2	5 g	24.—	
57	DL-**Phenylalanine** (2-amino-3-phenylpropionic acid) for biochemistry (LAB) $C_9H_{11}NO_2$ MW 165.19 TYPE ANALYSIS: Assay (perchloric acid titration; on dried substance) . . . 99% Melting-range . . . 260-273° C Chloride (Cl) . . . 0.05 % Sulfate (SO_4) . . . 0.02 % Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.001% Ammonium (NH_4) . . . 0.001% Water (acc. to Karl Fischer) . . . . 1.0 % Sulfated ash . . . . . 0.1 %	3	5 g 25 g 100 g 1 kg	4.25 11.75 39.50 price on application	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7258	DL-**Phenylalanine** (2-amino-3-phenylpropionic acid) $C_9H_{11}NO_2$ MW 165.19	1.5		100 g 1 kg	31 50 263.—	
7256	L(−)**Phenylalanine** for biochemistry (LAB) $C_9H_{11}NO_2$ MW 165.19 TYPE ANALYSIS: Assay (perchloric acid titration; on dried substance) . . . 99% Melting-range . . . 275–285° C Specific rotation ($[\alpha]_D^{20}$°; c = 5, 1N HCl) . . −8.8° to −10.0° Chloride (Cl) . . . 0.05 % Sulfate (SO_4) . . . . 0.02 % Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.001% Ammonium (NH_4) . . . 0.001% Sulfated ash . . . . . 0.1 % Water (acc. to Karl Fischer) . . . . 1.0 %	1.5		25 g 100 g 1 kg	9.25 29.— price on application	
7263	L-**Phenylalanine methyl ester hydrochloride** for synthesis (LAB) $C_{10}H_{14}ClNO_2$ MW 215.68			5 g	10.—	
7282 ○	L-**Phenylalanine 4-nitroanilide** for biochemistry (LAB) $C_{15}H_{15}N_3O_3$ MW 285.31 Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	2		1 g 5 g	7.50 27.50	
	3-Phenylallyl alcohol see Cinnamyl alcohol					
7070	d,l-α-**Phenylaminoacetic acid** for synthesis (ORG) $C_8H_9NO_2$ MW 151.17	1.8		50 g	15.—	
7073	D(−)-α-**Phenylaminoacetic acid** for synthesis (ORG) $C_8H_9NO_2$ MW 151.17	3		25 g	17.—	
7072	L(+)-α-**Phenylaminoacetic acid** for synthesis (ORG) $C_8H_9NO_2$ MW 151.17			25 g	17.—	
6908	**Phenylaminoethanol** (2-anilinoethanol) for synthesis (ORG) $C_8H_{11}NO$ MW 137.18 1 l = 1.10 kg			250 ml 1 l	6.30 18.50	
	1-Phenyl-2-aminopropane see Amphetamine					

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
527	**Phenylarsonic acid** GR (reagent for thorium, tin and zirconium) $C_6H_5AsO(OH)_2$ MW 202.04 CERTIFICATE OF GUARANTEE: Assay (iodometric) min. 99.8 % Chloride (Cl) . . max. 0.001% Heavy metals (as Pb) . . . . max. 0.001% Iron (Fe) . . . . max. 0.001% Sulfated ash . . . max. 0.1 % Suitability for precipitation of metals . . passes test	2		25 g	6.30	
	Phenyl bromide see Bromobenzene					
	1-Phenyl-1-butanone see Butyrophenone					
	1-Phenyl-2-butanone see Ethylbenzylketone					
	4-Phenyl-2-butanone see Benzyl acetone					
	4-Phenyl-3-buten-2-one see Benzylideneacetone					
	Phenylcellosolve see Ethylene glycol monophenyl ether					
	Phenyl chloride see Chlorobenzene					
7255	**Phenyl** *iso*-**cyanate** GR C_7H_5NO MW 119.12 1 l = 1.10 kg CERTIFICATE OF GUARANTEE: Boiling-point . . . 161–163° C d 20°/4° . . . . . 1.094–1.097 Refractive index ($n_D^{20°}$) . . . . . 1.535–1.537 Sulfated ash . . . max. 0.1%			20 ml 100 ml 1 l	5.30 11.75 90.—	
	Phenyl cyanide see Benzonitrile					
	N-Phenyldiethanolamine see *N*-Phenyl-2,2′-iminobis(ethanol)					
292	**4-Phenyl-3,5-dihydro-4*H*-1,2,4-triazole-3,5-dione** for synthesis (LAB) $C_8H_5N_3O_2$ MW 175.15			25 g	70.—	
294	**1-Phenyl-2,3-dimethyl-4-amino-5-pyrazolone** GR $C_{11}H_{13}N_3O$ MW 203.25 CERTIFICATE OF GUARANTEE: Assay (perchloric acid titration) . . min. 99% Melting-point . . . 107–109° C Loss on drying . . max. 0.5 % Sulfated ash . . . max. 0.1 %	1.4		10 g	6.30	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packag fob incl. pac Prices per DM
	1-Phenyl-2,3-dimethyl-5-pyrazolone see Phenazone				
	Phenyl disodium phosphate see Phenyl phosphate disodium salt				
7248	**2,2′-*p*-Phenylene-bis(4-methyl-5-phenyloxazole)** (dimethyl-POPOP) scintillation grade $C_{26}H_{20}N_2O_2$ MW 392.46	10	5 g 25 g 100 g	15.— 65.— 225.—	
7249	**2,2′-*p*-Phenylene-bis(5-phenyloxazole)** (POPOP) m. pt. 244–245° C scintillation grade $C_{24}H_{16}N_2O_2$ MW 364.41	4	5 g 25 g 100 g	15.— 65.— 225.—	
9721	***o*-Phenylenediamine** for synthesis (LAB) $C_6H_8N_2$ MW 108.14 TYPE ANALYSIS: Assay (perchloric acid titration) . . . . . 98% Melting-point . . . 102–104° C Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.001% Sulfated ash . . . . . 0.1 %	1.5	100 g 250 g 1 kg	9.— 18.— 60.—	
	Phenylenediamine dihydrochloride see Phenylenediammonium dichloride				
7244	***m*-Phenylenediammonium dichloride** GR $C_6H_{10}Cl_2N_2$ MW 181.07 CERTIFICATE OF GUARANTEE: Assay (acidimetric) . min. 99% Heavy metals (as Pb) . . . . max. 0.001% Iron (Fe) . . . . max. 0.001% Sulfated ash . . max. 0.1 %	2.5	25 g 100 g	4.50 11.—	
7247	***p*-Phenylenediammonium dichloride** $C_6H_{10}Cl_2N_2$ MW 181.07	2	100 g 250 g	5.80 11 75	
7261 •|•	**1,2-Phenylenedioxytrichlorophosphorane** for synthesis (LAB) $C_6H_4Cl_3O_2P$ MW 245.43	0.7	100 g	26.25	
5858 •|•	**1-Phenylethanol** for synthesis (ORG) $C_8H_{10}O$ MW 122.17 1 l = 1.01 kg		250 ml 1 l	4.75 10.—	
7006	**2-Phenylethanol** for synthesis (ORG) $C_8H_{10}O$ MW 122.17 1 l = 1.03 kg		250 ml	9.50	

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			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
		N-Phenylethanolamine see Phenylaminoethanol					
		Phenylethyl alcohol see Phenylethanol					
047	•|•	L(−)**1-Phenylethylamine** for synthesis (LAB) $C_8H_{11}N$ MW 121.18 1 l = 1.06 kg			25 ml	24.—	
31	•|•	D(+)**1-Phenylethylamine** for synthesis (LAB) $C_8H_{11}N$ MW 121.18 1 l = 0.95 kg			10 ml	13.—	
		Phenylethylbarbituric acid see Phenobarbital					
07		**Phenylethylene glycol** for synthesis (ORG) $C_8H_{10}O_2$ MW 138.17	2	P	100 g	22.—	
		5-Phenyl-5-ethyl-1-methylbarbituric acid see Mephobarbital					
12		d-*N*-**(1-Phenylethyl)-phthalamic acid** for synthesis (LAB) $C_{16}H_{15}NO_3$ MW 269.30	2.5	P	10 g	12.50	
.5		l-*N*-**(1-Phenylethyl)-phthalamic acid** for synthesis (LAB) $C_{16}H_{15}NO_3$ MW 269.30	2	P	10 g	12.50	
1		d-*N*-**(1-Phenylethyl)-succinamic acid** for synthesis (LAB) $C_{12}H_{15}NO_3$ MW 221.26	2	P	10 g	12.50	
13		l-*N*-**(1-Phenylethyl)-succinamic acid** for synthesis (LAB) $C_{12}H_{15}NO_3$ MW 221.26	2	P	10 g	12.50	
52		**Phenylfluorone** (2,6,7-trihydroxy-9-phenyl-3*H*-xanthen-3-one) reagent for germanium $C_{19}H_{12}O_5$ MW 320.30 CERTIFICATE OF GUARANTEE: Substances insoluble in ethanol . . . passes test Sulfated ash . . . max. 0.1% Suitability for determination of germanium . passes test	1.8		1 g 5 g 10 g	5.— 16.50 31.—	
08		**1-Phenyl-1-hexanone** for synthesis (ORG) $C_{12}H_{16}O$ MW 176.26 1 l = 0.96 kg			100 ml	8.—	
34		**1-Phenyl-2-hexanone** for synthesis (ORG) $C_{12}H_{16}O$ MW 176.26 1 l = 0.95 kg			50 ml	26.—	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7251	•|•	**Phenylhydrazine** GR $C_6H_8N_2$ MW 108.14 1 l = 1.09 kg CERTIFICATE OF GUARANTEE: Assay (perchloric acid titration) . . . min. 98% Solidifying point . . . more than 17°C Substances insoluble in acetic acid (5%) . . . passes test Sulfated ash . . . max. 0.02%		20 ml 100 ml 1 l	4.50 14.50 110.—	
7250	•|•	**Phenylhydrazine** $C_6H_8N_2$ MW 108.14 1 l = 1.09 kg		250 ml 1 l 20 kg	7.50 21.—	15.25
7253		**Phenylhydrazinium chloride** GR $C_6H_9ClN_2$ MW 144.61 CERTIFICATE OF GUARANTEE: Assay (iodate titration) min. 99% Sulfate (SO_4) . . max. 0.01 % Iron (Fe) . . . . . max. 0.001% Loss on drying (105°C) . . . . max. 0.5 % Sulfated ash . . max. 0.1 %	3.5	100 g 250 g	10.50 23.75	
7504		**2-Phenylimidazole** for synthesis (ORG) $C_9H_8N_2$ MW 144.18		100 g	19.50	
3257		*N*-**Phenyl-2,2′-iminobis(ethanol)** for synthesis (ORG) $C_{10}H_{15}NO_2$ MW 181.24	2	250 g	17.—	
7519		*N*-**Phenyl-1,1′-iminodi(2-propanol)** for synthesis (ORG) $C_{12}H_{19}NO_2$ MW 209.29 1 l = 1.07 kg		100 ml	21.50	
		2-Phenyl-1,3-indandione see Phenindione				
7588		**Phenylmercuric acetate** for synthesis (ORG) $C_8H_8HgO_2$ MW 336.74	1.25	50 g	10.—	
7349		**Phenylmethanesulfonyl fluoride** for biochemistry (LAB) $C_7H_7FO_2S$ MW 174.20	2	5 g	22.50	
7080		**1-Phenyl-3-methyl-5-pyrazolone** for synthesis (ORG) $C_{10}H_{10}N_2O$ MW 174.20		500 g	15.—	
		N-Phenyl-*N*-nitrosohydroxylamine ammonium salt see Cupferron				

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
583	**1-Phenyl-3-pentanone** for synthesis (ORG) $C_{11}H_{14}O$ MW 162.23	1 l = 0.97 kg	25 ml	28.50	
	N-Phenyl-*p*-phenylenediamine hydrochloride see 4-Aminodiphenylamine hydrochloride				
108	**Phenyl phosphate disodium salt** GR (suitable for detection of phosphatase in milk) $C_6H_5Na_2O_4P \cdot 2\,H_2O$ MW 254.09 CERTIFICATE OF GUARANTEE: Assay (ex P; on anhydrous substance) . . 99.3–100.6% Substances insoluble in water . . . . max. 0.005% Free phenol . . . passes test Loss on drying (105 °C) . . . . max. 15% Suitability for determination of phosphatase passes test	2	10 g 25 g 100 g	4.75 [illegible] 26.50	
009	**1-Phenylpiperazine** for synthesis (ORG) $C_{10}H_{14}N_2$ MW 162.24	1 l = 1.07 kg	10 ml	11.75	
	N-Phenylpiperazine see 1-Phenylpiperazine				
	2-Phenylpropanal see 2-Phenylpropionaldehyde				
	3-Phenylpropanal see Hydrocinnamaldehyde				
	2-Phenylpropane see Cumene				
012	**1-Phenyl-1-propanol** for synthesis (ORG) $C_9H_{12}O$ MW 136.20	1 l = 0.99 kg	100 ml	11.75	
303	**1-Phenyl-2-propanol** for synthesis (ORG) $C_9H_{12}O$ MW 136.20	1 l = 0.99 kg	100 ml	19.50	
011	**3-Phenyl-1-propanol** for synthesis (ORG) $C_9H_{12}O$ MW 136.20	1 l = 1.00 kg	250 ml	11.75	
	1-Phenyl-1-propanone see Propiophenone				
	1-Phenyl-2-propanone see Benzyl methyl ketone				
	2-Phenyl-1-propene see α-Methylstyrene				
	3-Phenyl-2-propen-1-ol see Cinnamyl alcohol				

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk package fob incl. pack Prices per k DM
7010	•I•	**2-Phenylpropionaldehyde** for synthesis (ORG) $C_9H_{10}O$ MW 134.18 1 l = 1.00 kg		100 ml	14.25	
		3-Phenylpropionic acid see Hydrocinnamic acid				
		α-Phenylpropyl alcohol see 1-Phenyl-1-propanol				
		γ-Phenylpropyl alcohol see 3-Phenyl-1-propanol				
		β-Phenyl-*iso*-propylamine see Amphetamine				
7004		**1-Phenyl-2-propyn-1-ol** for synthesis (ORG) C_9H_8O MW 132.16 1 l = 1.05 kg		100 ml	9.50	
7296		**1-Phenyl-2-pyrrolidone** for synthesis (ORG) $C_{10}H_{11}NO$ MW 161.21	1.5	100 g	10.	
7260		**Phenyl salicylate** DAB 6, BPC 1954, NF X $C_{13}H_{10}O_3$ MW 214.22	1.5	250 g 1 kg 5 kg 50 kg	5.50 17.50 79.—	 14.40
575		*dl*-**Phenylsuccinic acid** for synthesis (ORG) $C_{10}H_{10}O_4$ MW 194.19		25 g	21.—	
7028		**Phenyl-*iso*-thiocyanate** for synthesis (ORG) C_7H_5NS MW 135.19 1 l = 1.13 kg		100 ml	10.	
7089	•I•	**Phenyl-*iso*-thiocyanate** about 5% in *n*-heptane for protein sequenation acc. to Edman and Begg 1 l = 0.71 kg		100 ml	25.	
7328	•I•	**Phenyltrichlorosilane** for synthesis (ORG) $C_6H_5Cl_3Si$ MW 211.55 1 l = 1.32 kg		250 ml	16.50	
		Phenyltriethoxysilane see Triethoxyphenylsilane				
8360		**Phenyl trifluoroacetate** for synthesis (LAB) $C_8H_5F_3O_2$ MW 190.12 1 l = 1.28 kg		100 ml	65.—	
7290		**Phenyltrimethylammonium tribromide** for synthesis (LAB) $C_9H_{14}Br_3N$ MW 375.95	2	25 g	12.25	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
66	**Phloroglucinol** (1,3,5-trihydroxybenzene) GR $C_6H_6O_3 \cdot 2\,H_2O$ MW 162.14 CERTIFICATE OF GUARANTEE: Assay . . . . . min. 99% Melting-range . . . 218–221° C Diresorcinol . . . . passes test Loss on drying (110°C) . . . . . 22.0–22.5% Sulfated ash . . . . max. 0.2 %	1.6	P	25 g 8.50 100 g 26.25	
265	**Phloroglucinol** (1,3,5-trihydroxybenzene) Erg B 6 $C_6H_6O_3 \cdot 2\,H_2O$ MW 162.14	1.7	P	**25 g 5.30** **100 g 17.—**	
71	**Phloxin** (C. I. No. 45 405, S. No. 888) for microscopy	1.5		5 g 4.—	
307 •I•	*iso*-**Phorone** for synthesis (ORG) $C_9H_{14}O$ MW 138.21	1 l = 0.93 kg		1 l 9.50	
294	**Phosphate buffer solution** pH 6.88 (0.025 M)	1 l = 1.00 kg	P	500 ml 6.60 1 l 10.50	
295	Phosphate sodium hydroxide buffer solution pH 11.4 (0.025 M)	1 l = 1.00 kg	P	500 ml 6.60 1 l 10.50	
	Phosphomolybdic acid see Molybdatophosphoric acid				
65 •I• *	*ortho*-**Phosphoric acid** about 98% cryst. GR H_3PO_4 MW 98.00 CERTIFICATE OF GUARANTEE: Assay of H_3PO_4 . min. 98% Chloride (Cl) . . max. 0.0005% Nitrate (NO_3) . . max. 0.0005% Phosphite and hypophosphite (as H_3PO_3) . . max. 0.01 % Lead (Pb) . . . . max. 0.005 % Copper (Cu) . . . max. 0.001 % Nickel (Ni) . . . max. 0.001 % Iron (Fe) . . . . max. 0.005 % Manganese (Mn) . max. 0.001 % Zinc (Zn) . . . . max. 0.005 % Cadmium (Cd) . max. 0.001 % Arsenic (As) . . . max. 0.0001% Sodium (Na) . . max. 0.05 % Potassium (K) . . max. 0.005 % Volatile acids (as CH_3COOH) max. 0.002 % Substances reducing $KMnO_4$ (as O) . . . . max. 0.002 %	1 l = 1.71 kg		500 g 6.50 1 kg 10.75	
573 •I• *	*ortho*-**Phosphoric acid** min. 85% (about 1.71) GR H_3PO_4 MW 98.00 CERTIFICATE OF GUARANTEE: Assay of H_3PO_4 . min. 85% Chloride (Cl) . . max. 0.0002% Sulfate (SO_4) . . max. 0.005 % Nitrate (NO_3) . max. 0.0005% Phosphite, hypophosphite (as H_3PO_3) . max. 0.01 % Lead (Pb) . . . . max. 0.001 % Copper (Cu) . . max. 0.0005% Nickel (Ni) . . . max. 0.0005% Iron (Fe) . . . . max. 0.001 % Manganese (Mn) max. 0.0005% Zinc (Zn) . . . . max. 0.001 % Cadmium (Cd) . . max. 0.0005% Arsenic (As) . . max. 0.0001% Sodium (Na) . . max. 0.05 % Potassium (K) . max. 0.005 % Volatile acids (as CH_3COOH) max. 0.001 % Substances reducing $KMnO_4$ (as O) max. 0.001 %	1 l = 1.71 kg		500 ml 6.50 1 l 11.50 2½ l 25.— standard box 15 x 1 l 1 l 10.75 8 x 15 x 1 l 1 l 10.25 8 x 2½ l 2½ l 23.50 8 x 8 x 2½ l 2½ l 22.50 P 45 kg 4.– 5 x 45 kg 3.80	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
572 •|• *	*ortho*-**Phosphoric acid** min. 85% (about 1.71) **Selectipur**® H_3PO_4 MW 98.00	1 l = 1.71 kg	2½ l 45 kg	prices on application	
563 •|• *	*ortho*-**Phosphoric acid** min. 85% (about 1.71) extra pure DAB 7, NF XII H_3PO_4 MW 98.00	1 l = 1.71 kg	500 ml 2½ l 45 kg 5 x 45 kg	5.50 19.—	 2.50 2.40
564 •|• *	*ortho*-**Phosphoric acid** about 89% (about 1.75) extra pure BP 1968 H_3PO_4 MW 98.00	1 l = 1.75 kg	500 ml 2½ l 45 kg 5 x 45 kg	6.25 20.50	 2.80 2.70
571	*meta*-**Phosphoric acid** sticks GR $(HPO_3)_n$	1	100 g 250 g 500 g	6.60 13.75 23.75	
541	*meta*-**Phosphoric acid** sticks $(HPO_3)_n$	1.2	250 g 500 g 1 kg	12.25 21.— 40.—	

CERTIFICATE OF GUARANTEE:

Assay of HPO_3	40–44%	Iron (Fe)	max. 0.005 %
Assay of $NaPO_3$	56–60%	Manganese (Mn)	max. 0.001 %
Chloride (Cl)	max. 0.001 %	Zinc (Zn)	max. 0.005 %
Nitrate (NO_3)	max. 0.0005%	Cadmium (Cd)	max. 0.001 %
Lead (Pb)	max. 0.001 %	Arsenic (As)	max. 0.0001%
Copper (Cu)	max. 0.001 %	Reducing substances (as H_3PO_3)	max. 0.01 %
Nickel (Ni)	max. 0.001 %		

TYPE ANALYSIS:

Assay of H_3PO_4 (acidimetric)	85–88 %	Heavy metals (as Pb)	0.001 %
Chloride (Cl)	0.0005%	Arsenic (As)	0.0002%
Sulfate (SO_4)	0.005 %	Phosphite, hypophosphite (as H_3PO_3)	0.02 %
Nitrate (NO_3)	0.001 %		

TYPE ANALYSIS:

Assay of HPO_3 (acidimetric)	40–44 %	Heavy metals (as Pb)	0.002 %
Nitrate (NO_3)	0.001 %	Arsenic (As)	0.0005%

Phosphoric acid-d_3 see *tri*-Deuterophosphoric acid

Phosphoric acid tri-p-tolylester see Tri-p-cresyl phosphate

Phosphoric anhydride see *di*-Phosphorus pentoxide

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
		Phosphorous acid about 30% GR H_3PO_3 MW 82.00 — 1 l = 1.15 kg CERTIFICATE OF GUARANTEE: Assay of H_3PO_3 . min. 30%; Chloride (Cl) . . max. 0.005 %; Sulfate (SO_4) . . max. 0.002 %; Nitrate (NO_3) . . max. 0.0005%; Lead (Pb) . . . . max. 0.001 %; Copper (Cu) . . max. 0.0005%; Nickel (Ni) . . . . max. 0.001 %; Iron (Fe) . . . . max. 0.001 %; Manganese (Mn) . max. 0.0005%; Zinc (Zn) . . . . max. 0.001 %; Cadmium (Cd) . max. 0.0005%; Arsenic (As) . . max. 0.0001%; Barium (Ba) . . . max. 0.05 %; Calcium (Ca) . . max. 0.005 %; Sodium (Na) . . max. 0.005 %; Potassium (K) . . max. 0.005 %		250 ml	13.75	
270	•|•	**Phosphorus** amorphous (red) (LAB) P AW 30.97 TYPE ANALYSIS: Substances soluble in acetic acid . . . . 1%; Substances insoluble in nitric acid . . . . 0.5 %; Acids (as H_3PO_4) . . . 0.25%; Chloride (Cl) . . . . . 0.02%; Iron (Fe) . . . . . 0.2 %; Phosphorus yellow (P) 0.02%	1	250 g 1 kg 5 kg	5.30 14.25 63.	
271	•|•	**Phosphorus** sticks DAB 6 P AW 30.97	1	100 g 500 g 5 kg	7.— 17.— 142.—	
272	•|•	**Phosphorus** sticks 3 mm P AW 30.97	1	100 g 500 g	9.25 27.50	
278	•|•	**Phosphorus oxide trichloride Suprapur** $POCl_3$ MW 153.33 — 1 l = 1.67 kg CERTIFICATE OF GUARANTEE: Lead (Pb) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Copper (Cu) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Zinc (Zn) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Cadmium (Cd) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Arsenic (As) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm)		25 ml 250 ml	8.50 53.—	
275	•|•	**Phosphorus oxide trichloride** $POCl_3$ MW 153.33 — 1 l = 1.67 kg		500 ml 2½ l 25 kg 50 kg	7.50 26.75	5.50 4.30
		Phosphorus oxychloride see Phosphorus oxide trichloride				

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7276	•I•	**Phosphorus pentachloride** PCl_5 MW 208.24	0.75	500 g 1 kg 5 kg	7.— 10.50 36.75	
570	•I•	***di*-Phosphorus pentoxide** GR P_2O_5 MW 141.94 CERTIFICATE OF GUARANTEE: Assay of P_2O_5 . . min. 98% Substances insoluble in water max. 0.02 % Chloride (Cl) . . max. 0.001 % Nitrate (NO_3) . . max. 0.001 % Lead (Pb) . . . . max. 0.002 % Copper (Cu) . . max. 0.002 % Nickel (Ni) . . . max. 0.002 % Iron (Fe) . . . . max. 0.002 % Manganese (Mn) max. 0.0005% Zinc (Zn) . . . . max. 0.002 % Cadmium (Cd) . . max. 0.0005% Arsenic (As) . . max. 0.005 % Sodium (Na) . . max. 0.02 % Potassium (K) . . max. 0.01 % Ammonium (NH_4) max. 0.002 % Reducing substances (as P_2O_3) . . . max. 0.02 %	1.3	100 g 250 g 1 kg	3.75 5.50 16.—	
540	•I•	***di*-Phosphorus pentoxide** P_2O_5 MW 141.94	1.3	500 g 1 kg 2½ kg 80 kg 5 x 80 kg	5.75 9.— 19.—	 4.— 3.75
542	•I•	**Phosphorus pentoxide drying agent** for desiccators, without moisture indicator (LAB) 1 l = 0.30 kg		160 ml 2.24 l	3.— 11.75	
543	•I•	**Phosphorus pentoxide drying agent** for desiccators, with moisture indicator (LAB) 1 l = 0.30 kg		160 ml 2.24 l	3.25 12.50	
7279	•I•	**Phosphorus tribromide Suprapur®** PBr_3 MW 270.70 1 l = 2.85 kg CERTIFICATE OF GUARANTEE: Lead (Pb) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Copper (Cu) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Zinc (Zn) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Cadmium (Cd) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Arsenic (As) . . . . . max. $2 \cdot 10^{-5}$ % (0.2 ppm)		25 ml 250 ml	12.25 87.—	
7274	•I•	**Phosphorus tribromide** PBr_3 MW 270.70 1 l = 2.85 kg		100 ml 500 ml	8.50 29.—	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
280	•I•	**Phosphorus trichloride Suprapur**[5] PCl_3 MW 137.33 1 l = 1.57 kg CERTIFICATE OF GUARANTEE: Lead (Pb) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Copper (Cu) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Zinc (Zn) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Cadmium (Cd) . . . . . max. $2 \cdot 10^{-5}$ % (0.2 ppm) Arsenic (As) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm)		25 ml 250 ml	7.50 50.—	
277	•I•	**Phosphorus trichloride** PCl_3 MW 137.33 1 l = 1.57 kg		500 ml 2½ l	6.30 22.75	
		Phosphoryl chloride see Phosphorus oxide trichloride				
		Phosphotungstic acid see Tungstophosphoric acid				
		Photo-Rex® see 4-Methylaminophenol sulfate				
297		**Phthalein purple** metal (pM) indicator $C_{32}H_{32}N_2O_{12} \cdot x\,H_2O$ MW 636.62 (anhydrous)	2	1 g 10 g	10.25 81.—	
611		**Phthalic acid** GR $C_8H_6O_4$ MW 166.13 CERTIFICATE OF GUARANTEE: Assay (acidimetric) . . min. 99.5 % Substances insoluble in Na_2CO_3-solution max. 0.05 % Iron (Fe) . . . . . max. 0.001% Chloride (Cl) . . max. 0.001% Sulfated ash . . max. 0.02 %	1.1	250 g 1 kg	6.— 17.50	
31		**Phthalic acid** cryst. $C_8H_6O_4$ MW 166.13	1.1	500 g 1 kg 5 kg	5.80 10.50 42.—	
307		*iso*-**Phthalic acid** for synthesis (ORG) $C_8H_6O_4$ MW 166.13	1.5	1 kg	8.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk package fob incl. pack... Prices per kg DM
592	**Phthalic anhydride** for synthesis (LAB) $C_8H_4O_3$ MW 148.12 TYPE ANALYSIS: Assay (morpholine method) . . . . . 98% Melting-range . . . 130-132° C Chloride (Cl) . . . 0.01 % Sulfate (SO_4) . . . . 0.01 % Heavy metals (as Pb) 0.001% Sulfated ash . . . . . 0.05 %	1.6	P □	500 g 1 kg 5 kg 9051.50 kg	4.50 6.50 26.—	 3.50
7067	**Phthalide** for synthesis (ORG) $C_8H_6O_2$ MW 134.14	2		100 g	13.75	
7303	**Phthalimide** for synthesis (LAB) $C_8H_5NO_2$ MW 147.13 TYPE ANALYSIS: Assay (ex N) . . . 98% Melting-range . . . 233–235° C Heavy metals (as Pb) 0.001% Iron (Fe) . . . . . 0.001% Sulfated ash . . . . . 0.1 %	1.4	P 	250 g 1 kg	5.30 14.25	
7302	**Phthalimide potassium** for synthesis (LAB) $C_8H_4KNO_2$ MW 185.23 TYPE ANALYSIS: Assay (perchloric acid titration) . . . . . 97% Water (acc. to Karl Fischer) 0.5%	3.4	P 	100 g 1 kg	11.50 89.—	
593	**Phthalonitrile** for synthesis (ORG) $C_8H_4N_2$ MW 128.13			250 g	8.50	
7305	**Physostigmine** (eserine) cryst. extra pure Cod Franç 1949, USP XVII $C_{15}H_{21}N_3O_2$ MW 275.35	1.5		1 g 5 g	12.— 56.—	
7306	**Physostigminium salicylate** cryst. DAB 7, Cod Franç 1949, JP VII, Ph Internat I, BP 1968, USP XVII $C_{22}H_{27}N_3O_5$ MW 413.48	2.5	 P	1 g 5 g	9.— 41.—	
7307	**Physostigminium sulfate** powder DAB 6, JP VII, Ph Internat I $C_{30}H_{44}N_6O_8S$ MW 648.78	2		1 g 5 g	12.— 56.—	
7499	**Phytol** for biochemistry (LAB) $C_{20}H_{40}O$ MW 296.54 1 l = 0.85 kg			25 ml	25.25	

		Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
42	**2-Picoline** for synthesis (LAB) C_6H_7N MW 93.13 1 l = 0.94 kg TYPE ANALYSIS: Assay (gas chromatographic) . . . . 97% d 20°/4° . . . . . 0.943-0.945 Refractive index ($n_D^{20°}$) . . . . . 1.500–1.502 Boiling-range (95%) 127–129° C Sulfated ash . . . 0.1%		250 ml 5.— 1 l 13.	
8	**3-Picoline** for synthesis (ORG) C_6H_7N MW 93.13 1 l = 0.96 kg		250 ml 11.75	
49	**4-Picoline** for synthesis (ORG) C_6H_7N MW 93.13 1 l = 0.96 kg		250 ml 9.—	
15	**2-Picolylamine** for synthesis (ORG) $C_6H_8N_2$ MW 108.14 1 l = 1.05 kg		25 ml 14.25	
16	**3-Picolylamine** for synthesis (ORG) $C_6H_8N_2$ MW 108.14 1 l = 1.07 kg		100 ml 22.25	
17	**4-Picolylamine** for synthesis (ORG) $C_6H_8N_2$ MW 108.14 1 l = 1.07 kg		50 ml 13.25	
3	**Picric acid** moistened with about 50% water (related to the dry substance) GR $C_6H_3N_3O_7$ MW 229.11 CERTIFICATE OF GUARANTEE: (All data relate to the anhydrous substance) Assay . . . . . min. 99.8% Substances insoluble in water . . . . max. 0.03 % Substances insoluble in benzene . . max. 0.1 % Melting-point . . 120–122° C Chloride (Cl) . . max. 0.0005% Sulfate (SO_4) . . max. 0.005 % Sulfated ash . . . max. 0.02 %	1.5	100 g * 6.30 500 g * 18 * dry substance	
21	**Picric acid** moistened with about 50% water (related to the dry substance) cryst. extra pure BPC 1959 $C_6H_3N_3O_7$ MW 229.11 TYPE ANALYSIS: Assay (acidimetric) . . 99 % Substances insoluble in benzene . . . 0.05 % Melting-point . . . 120–121° C Chloride (Cl) . . . . 0.0005% Sulfate (SO_4) . . . . 0.01 % Nitrate (NO_3) . . . . 0.002 % Residue on ignition 0.02 %	1.5	100 g * 5.— 500 g * 13.25 * dry substance	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
620	•I•	**Picric acid** moistend with about 50% water (related to the dry substance) cryst. pure $C_6H_3N_3O_7$ MW 229.11	1.5	P	100 g * 500 g * * dry substance	4.75 12.25	
604	*	**Picric acid solution** 1.2% GR (for determination of blood sugar and creatinine) 1 l = 1.00 kg		P	100 ml 500 ml 2½ l	2.75 5.30 18.50	
7311		**Pilocarpinium chloride** cryst. extra pure DAB 7, JP VII, Ph Ned VI, USP XVII $C_{11}H_{17}ClN_2O_2$ MW 244.72 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.5	P	1 g 5 g 25 g 100 g 1 kg	3.25 5.— 22.— 81.25 price on application	
7312		**Pilocarpinium nitrate** cryst. BP 1963, Cod Franç 1965, USP XVII $C_{11}H_{17}N_3O_5$ MW 271.27	1.5	P	5 g 25 g 100 g	4.75 21.50 78.75	
3451		**Pilomotoricum H 1731** [2-(3,6-dimethoxy-2,4-dimethylbenzyl)-2-imidazoline] $C_{14}H_{20}N_2O_2$ MW 248.33	5	P	100 g	552.—	
668		**Pimelic acid** for synthesis (ORG) $C_7H_{12}O_4$ MW 160.17			25 g	10.50	
		Pinacolone see 3,3-Dimethyl-2-butanone					
9723		**Pinacryptol yellow** for chromatography $C_{21}H_{22}N_2O_7S$ MW 446.48	2		1 g	8.50	
		α-Pipecoline see 2-Methylpiperidine					
7325		**Piperazine** anhydrous for synthesis (ORG) $C_4H_{10}N_2$ MW 86.14			250 g	13.—	
7327		**Piperazine** (hexahydrate) BPC 1968, Cod Franç 1965 $C_4H_{10}N_2 \cdot 6H_2O$ MW 194.23	1.6	P	250 g 1 kg 5 kg 50 kg	4.— 10.50 45.25	7.90

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
		2,2′-(1,4-Piperazinediyl)-diethanol see 1,4-Bis(2-hydroxyethyl)-piperazine					
		1,1′-(1,4-Piperazinediyl)-di-2-propanol see 1,4-Bis(2-hydroxypropyl)-piperazine					
		3,3′-(1,4-Piperazinediyl)-dipropylamin see 1,4-Bis(3-aminopropyl)-piperazine					
7326		**Piperazinium adipate** BP 1968 $C_{10}H_{20}N_2O_4$ MW 232.28	1.4	(P) 	1 kg 5 kg 50 kg	14.25 63.—	 10.50
7317		**Piperazinium citrate** BP 1968 $3\,C_4H_{10}N_2 \cdot 2\,C_6H_8O_7$ MW 642.68	1.4	(P) 	1 kg 5 kg 50 kg	14.25 63.—	 10.50
		2-Piperazinoethanol see 2-(1-Piperazinyl)-ethanol					
4312		**2-(1-Piperazinyl)-ethanol** for synthesis (ORG) $C_6H_{14}N_2O$ MW 130.19 1 l = 1.06 kg			25 ml	5.25	
361		**2-(1-Piperazinyl)-ethylamine** for synthesis (ORG) $C_6H_{15}N_3$ MW 129.21 1 l = 0.91 kg			250 ml	10.75	
4335	•|•	**1-(1-Piperazinyl)-2-propanol** for synthesis (ORG) $C_7H_{16}N_2O$ MW 144.22 1 l = 1.01 kg			100 ml	12.50	
1444	•|•	**3-(1-Piperazinyl)-propylamine** for synthesis (ORG) $C_7H_{17}N_3$ MW 143.23 1 l = 1.50 kg			100 ml	13.75	
9724	•|•	**Piperidine** GR $C_5H_{11}N$ MW 85.15 1 l = 0.86 kg CERTIFICATE OF GUARANTEE: Assay (gas chromatographic) . . . . . min. 99% d 20°/4° . . . . . 0.862–0.864 Refractive index ($n_D^{20°}$) . . . . . 1.453–1.455 Boiling-range (95%) . . . . . 104–106° C Heavy metals (as Pb) . . . . max. 0.001% Iron (Fe) . . . . max. 0.001% Non-volatile substances . . max. 0.05 %			100 ml 500 ml	9.50 36.—	
7322	•|•	**Piperidine** purified $C_5H_{11}N$ MW 85.15 1 l = 0.86 kg			100 ml 500 ml	7.50 26.50	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk package fob incl. packi Prices per kg DM
7507	**2-Piperidinoethanol** for synthesis (ORG) $C_7H_{15}NO$ MW 129.20	1 l = 1.00 kg		100 ml	15.75	
	2-Piperidinoethyl chloride hydrochloride see *N*-(2-Chloroethyl)-piperidine hydrochloride					
7018	**Piperonal** for synthesis (ORG) $C_8H_6O_3$ MW 150.14			250 g	14.75	
7350	**Piperonyl alcohol** for synthesis (ORG) $C_8H_8O_3$ MW 152.15			100 g	21.	
7352	**Piperonylic acid** for synthesis (ORG) $C_8H_6O_4$ MW 166.13	2.5		50 g	9.25	
	Pivalic acid see 2,2-Dimethylpropionic acid					
1302	**Pivalic anhydride** for synthesis (ORG) $C_{10}H_{18}O_3$ MW 186.25	1 l = 0.92 kg		50 ml	10.50	
7053	**Pivalonitrile** for synthesis (ORG) C_5H_9N MW 83.13	1 l = 0.75 kg		25 ml	16.	
1705	**Pivaloyl chloride** for synthesis (ORG) C_5H_9ClO MW 120.58	1 l = 0.98 kg		100 ml	9.	
5274	**PKU phenylalanine test medium** for microbiology	1.9		500 g	50.	
5275	**PKU spore suspension** for microbiology	1 l = 1.20 kg		100 ml	7.50	
5276/0001	**PKU standard strips** for microbiology booklet cont. 16 strips			pack of 10 booklets	25.–	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Plaster of Paris see Calcium sulfate, dried					
	Plate count agar see Count agar					
7358	**Platinum-asbestos** about 15% Pt (LAB)	5		1 g	16.25	
				5 g	68.	
				10 g	131.	
7339	**Platinum-charcoal activated** (10% Pt) hydrogenation catalyst (LAB)	4		5 g	36.75	
7345	**Platinum(II) chloride** (LAB) $PtCl_2$ MW 266.00	0.5		0.5 g	27.—	
				1 g	55.—	
				5 g	263.—	
7347	**Platinum(IV) chloride** anhydrous for synthesis (LAB) $PtCl_4$ MW 336.90	1		1 g	40.–	
				5 g	190.—	
	Platinum(IV) chloride see Hexachloroplatinic(IV) acid					
7346	**Platinum(IV) oxide** (about 81% Pt) hydrogenation catalyst (LAB) PtO_2 MW 227.09	1		1 g	58.–	
	Plumbago see Graphite					
7432	**Podophyllin** powder (from podophyllum hexandrum) BP 1968	3		100 g	13.—	
				250 g	30.—	
				1 kg	105.—	
7431	**Podophyllin** powder (from podophyllum peltatum) DAB 6, BP 1958, USP XVI	3.2		10 g	7.—	
				25 g	15.50	
				100 g	52.50	
				1 kg	450.—	
7435	**Polyamide 11** for thin layer chromatography	5		100 g	10.—	
				500 g	37.75	
555 0025	**TLC aluminium sheets polyamide 11 F_{254}** pre-coated 20 cm x 20 cm, layer thickness 0.15 mm			pack of 25 sheets	23.—	
				10 packs	22.–	
				25 packs	21.	

In the case of pre-coated items for TLC and PLC the designations "G", "H" or "P" used after the adsorbents in their powder form are dispensed with. The coatings of the items (plates, aluminium foil, plastic sheets) consist of the same basic material as the corresponding absorbents in powder form. Addition of gypsum is not necessary; the abrasion-resistance of all the pre-coated items is achieved by means of small amounts of an inert and at the same time highly effective binder. The letter "F" indicates the presence of a fluorescent indicator; the figures in the subcripts give the wavelength at which these indicators fluoresce.

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7451	**Poly-(chlorotrifluoroethylene) grease** (LAB)		tube	25 g	37.75	
7450	**Poly-(chlorotrifluoroethylene) oil** for spectroscopy **Uvasol**® 1 l = 1.94 kg			25 ml	58.—	
	CERTIFICATE OF GUARANTEE: Suitability for IR and NMR spectroscopy passes test					
	Polychromic solutions see Papanicolaou's solutions					
	Poly(2,2-dimethyl-1,3-propanediol) sebacate see Neopentyl glycol sebacate					
	Poly(2,2-dimethyl-1,3-propanediol) succinate see Neopentyl glycol succinate					
7422	**Polyethylene** for spectroscopy **Uvasol**®	5.6		100 g	19.50	
	Polyethylene-d_n see Perdeuteropolyethylene					
7483	**Polyethylene glycol 200** for synthesis (ORG) 1 l = 1.12 kg			1 l	10.—	
7484	**Polyethylene glycol 300** for synthesis (ORG) 1 l = 1.12 kg			1 l	10.—	
9726	**Polyethylene glycol 400** for gas chromatography 1 l = 1.12 kg			100 ml	19.—	
7485	**Polyethylene glycol 400** for synthesis (ORG) 1 l = 1.15 kg			1 l	10.—	
7486	**Polyethylene glycol 600** for synthesis (ORG)	1.5		1 kg	10.—	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
9729	**Polyethylene glycol 1000** for gas chromatography	1		100 g	16.75	
7488	**Polyethylene glycol 1000** for synthesis (ORG)	1.5	P	1 kg	10.—	
7489	**Polyethylene glycol 1500** for synthesis (ORG)	1.5	P	1 kg	10.—	
9727	**Polyethylene glycol 4000** for gas chromatography	1.8		100 g	16.75	
7490	**Polyethylene glycol 4000** for synthesis (ORG)		P	1 kg	10.—	
7491	**Polyethylene glycol 6000** for synthesis (ORG)	1.5	P	1 kg	10.—	
9732	**Polyethylene glycol 20 000** for gas chromatography	3		100 g	16.75	
	Polyoxyethylene see Polyethyleneglycol					
	Polyoxyethylene dodecyl ether see Brij® 35					
	Polyoxyethylene succinate see Ethylene glycol succinate					
	Polyoxymethylene see Paraformaldehyde					
7471	**Polyphosphoric acid** about 84% P_2O_5 for synthesis (LAB) $H_{n+2}P_nO_{3n+1}$			1 kg 5 kg	11.— 46.25	
7443	**Polyvinylpyrrolidone** [poly(1-vinyl-2-pyrrolidone)] MW 25 000–30 000 (LAB)	2	P	100 g	19.—	
	Poly(1-vinyl-2-pyrrolidone) see Polyvinylpyrrolidone					
4548	**Ponceau 6 R** (C. I. No. 16 290, S. No. 215) food dye E 126 $C_{20}H_{10}N_2Na_4O_{13}S_4$ MW 706.52	2		100 g	7.50	
	POPOP see 2,2′-*p*-Phenylene-bis(5-phenyloxazole)					
	Potash caustic see Potassium hydroxide					
	Potash prussiate red see Potassium hexacyanoferrate(III)					
	Potash prussiate yellow see Potassium hexacyanoferrate(II)					

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packi Prices per k DM
4815	**Potassium** (LAB) K AW 39.10 TYPE ANALYSIS: Chloride (Cl) . . . . . 0.01 % Heavy metals (as Pb) . 0.002% Iron (Fe) 0.002%	2		50 g 6.60 250 g 19.50 1 kg 63.—	
4820	**Potassium acetate** extra pure Erg B 6, NF XI, Ph Ned VI CH_3COOK MW 98.15 TYPE ANALYSIS: Assay of CH_3COOK (perchloric acid titration; on dried substance) . 99% pH (5% solution 20°C) 7–9 Chloride (Cl) . . . . 0.003 % Sulfate (SO_4) . . . . 0.01 % Heavy metals (as Pb) 0.002 % Iron (Fe) . . . . . 0.002 % Alkaline earth metals (as Ca) . . . . . 0.01 % Arsenic (As) . . . . . 0.0002% Loss on drying (150°C) 3 %	1.6	P	500 g 5.30 1 kg 9.— 5 kg 32.50 50 kg	5.40
1047	**Potassium aluminium sulfate** GR $KAl(SO_4)_2 \cdot 12\,H_2O$ MW 474.39 CERTIFICATE OF GUARANTEE: Assay of $KAl(SO_4)_2 \cdot 12\,H_2O$ . . . min. 99.5% Chloride (Cl) . max. 0.0005 % Total nitrogen (N) max. 0.005 % Heavy metals (as Pb) . . . max. 0.001 % Iron (Fe) . . . max. 0.0005 % Sodium (Na) . . max. 0.02 % Arsenic (As) . . max. 0.00005%	1.1	P	500 g 5. 1 kg 8.	
1042	**Potassium aluminium sulfate** cryst. extra pure DAB 6, BP 1968, Cod Franç 1965, JP VII, NF XIII $KAl(SO_4)_2 \cdot 12\,H_2O$ MW 474.39	0.9	P	1 kg 4.50 5 kg 15.25 9051/50 kg	2.10
1043	**Potassium aluminium sulfate** cryst. pure $KAl(SO_4)_2 \cdot 12\,H_2O$ MW 474.39	0.9	P	1 kg 4.25 5 kg 13.75 9051/50 kg	1.70
1044	**Potassium aluminium sulfate** powder pure $KAl(SO_4)_2 \cdot 12\,H_2O$ MW 474.39	1.3	P	1 kg 4.50 5 kg 15.25 9051/50 kg	1.90

Potassium antimonate see Potassium pyroantimonate

Potassium antimony tartrate see Potassium antimony(III) oxide tartrate

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8092	**Potassium antimony(III) oxide tartrate** cryst. extra pure DAB 6, Cod Franç 1949, Ph Internat I, USP XVI $K(SbO)C_4H_4O_6 \cdot 0.5\,H_2O$ MW 333.93	0.8	P	250 g	11.—	
				1 kg	36.50	
				5 kg	167.—	
8093	**Potassium antimony(III) oxide tartrate** about 43% Sb_2O_3 cryst. powder $K(SbO)C_4H_4O_6 \cdot 0.5\,H_2O$ MW 333.93	0.9	P	500 g	17.—	
				1 kg	32.25	
				5 kg	147.—	
				9051/50 kg	price on application	
	Potassium bicarbonate see Potassium hydrogen carbonate					
	Potassium bichromate see Potassium dichromate					
	Potassium biiodate see Potassium hydrogen diiodate					
	Potassium biphosphate see Potassium dihydrogen phosphate					
	Potassium biphthalate see Potassium hydrogen phthalate					
	Potassium bisulfate see Potassium hydrogen sulfate					
	Potassium bitartrate see Potassium hydrogen tartrate					
4912	**Potassium bromate** GR $KBrO_3$ MW 167.01 CERTIFICATE OF GUARANTEE: Assay of $KBrO_3$. min. 99.5% pH (5% solution 20°C) . . . . 5–9 Bromide (Br) . . max. 0.02 % Total nitrogen (N) max. 0.001 % Sulfate (SO_4) . max. 0.005 % Heavy metals (as Pb) . . . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Sodium (Na) . . max. 0.01 %	0.75		250 g	7.25	
				1 kg	24.—	
4914	**Potassium bromate** cryst. pure Erg B 6 $KBrO_3$ MW 167.01 TYPE ANALYSIS: Assay (iodometric) . . 99.6% Sulfate (SO_4) . . . . 0.01 % Total nitrogen (N) . . 0.002% Heavy metals (as Pb) . 0.002% Iron (Fe) 0.001%	0.7		500 g	5.80	
				1 kg	9.50	
				5 kg	42.—	
				100 kg		6.90
1925/0001	**0.1 N Potassium bromate solution Titrisol** (DBP No. 971376) concentrated solution for preparation of 1 litre of 0.1 N solution			1 ampoule	3.50	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk package fob incl. packi Prices per kg DM
4904	**Potassium bromide Suprapur®** KBr MW 119.01 CERTIFICATE OF GUARANTEE: Lead (Pb) . . . . . max. $2 \cdot 10^{-6}$ % (0.02 ppm) Copper (Cu) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Cobalt (Co) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Nickel (Ni) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Zinc (Zn) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Iron (Fe) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Aluminium (Al) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Manganese (Mn) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Thallium (Tl) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Barium (Ba) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Strontium (Sr) . . . . . max. $3 \cdot 10^{-4}$ % (3 ppm) Calcium (Ca) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Magnesium (Mg) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Sodium (Na) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm)	1	P	50 g 500 g	10.50 70.—	
4905	**Potassium bromide GR** KBr MW 119.01 CERTIFICATE OF GUARANTEE: Assay of KBr . . min. 99.5% pH (5% solution 20°C) . . . . 5.5–8.5 Chloride (Cl) . . max. 0.1 % Iodide (I) . . . . max. 0.02 % Sulfate (SO_4) . . max. 0.005 % Bromate (BrO_3) . max. 0.001 % Total nitrogen (N) max. 0.001 % Heavy metals (as Pb) . . . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Barium (Ba) . . max. 0.002 % Calcium (Ca) . . max. 0.001 % Sodium (Na) . . max. 0.02 % Loss on drying (105°C) . . . max. 0.5 %	1	P	500 g 1 kg 5 kg	6.30 11. 50.	
4907	**Potassium bromide** for spectroscopy **Uvasol®** KBr MW 119.01 CERTIFICATE OF GUARANTEE: Suitability for IR spectroscopy passes test	0.75		100 g 250 g 1 kg	17.— 39.50 135.	
4900	**Potassium bromide** cryst. extra pure DAB 7, BP 1968, NF XII, Ph Internat I, Ph Ned VI KBr MW 119.01 TYPE ANALYSIS: Assay (argentometric) 99.5 % Free alkali (as K_2CO_3) 0.01 % Chloride (Cl) . . . . . 0.4 % Iodide (I) . . . . . 0.02 % Sulfate (SO_4) . . . . 0.005% Bromate (BrO_3) . . . . 0.001% Total nitrogen (N) . . 0.002% Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.001% Calcium (Ca) 0.005%	1	P 	500 g 1 kg 5 kg 9051/50 kg	4.25 7.50 31.—	 5.20
4906	**Potassium bromide Fotopur®** KBr MW 119.01	1	P 	1 kg 5 kg 9051/50 kg	7.50 31.—	 5.20

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4902	**Potassium bromide** crystalline powder extra pure DAB 7, BP 1968, NF XII, Ph Internat I, Ph Ned VI KBr MW 119.01	0.8	P	500 g	4.25	
				1 kg	7.50	
				5 kg	31.—	
				9051 50 kg		5.50
[illegible]	**Potassium *tert*-butylate** for synthesis (LAB) C_4H_9KO MW 112.22	1.8		25 g	6.—	
				100 g	17.50	
	TYPE ANALYSIS: Assay (perchloric acid titration) . . . . . 95 % *tert*-Butanol (gas chromatographic) 1.5%					
[illegible]	**Potassium carbonate** cryst. **Suprapur** K_2CO_3 MW 138.21	1.2		50 g	10.50	
				500 g	69.—	
	CERTIFICATE OF GUARANTEE: Chloride (Cl) . . . . . max. $1 \cdot 10^{-3}$ % (10 ppm) Sulfate (SO_4) . . . . . max. $1 \cdot 10^{-3}$ % (10 ppm) Phosphate (PO_4) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Silicate (SiO_2) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Lead (Pb) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Copper (Cu) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Nickel (Ni) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Cobalt (Co) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Iron (Fe) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Zinc (Zn) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Aluminium (Al) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Manganese (Mn) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Thallium (Tl) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Magnesium (Mg) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Calcium (Ca) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Strontium (Sr) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Barium (Ba) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Lithium (Li) . . . . . max. $5 \cdot 10^{-5}$ % (5 ppm) Sodium (Na) . . . . . max. $1 \cdot 10^{-3}$ % (10 ppm) Arsenic (As) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm)					
[illegible]	**Potassium carbonate** GR K_2CO_3 MW 138.21	1.1	P	500 g	6.50	
				1 kg	11.50	
				5 kg	50.—	
	CERTIFICATE OF GUARANTEE: Assay of K_2CO_3 . min. 99% Loss on ignition (600° C) . . . . max. 1 % Chloride (Cl) . . max. 0.003 % Total sulfur (as SO_4) . . . max. 0.003 % Phosphate and silicate (as SiO_2) . . . max. 0.005 % Total nitrogen (N) max. 0.001 % Heavy metals (as Pb) . . . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Aluminium (Al) . max. 0.001 % Calcium (Ca) . . max. 0.002 % Magnesium (Mg) max. 0.001 % Sodium (Na) . . max. 0.02 %					

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4924	**Potassium carbonate** pure DAB 6 K_2CO_3 MW 138.21	1.1	P **1 kg** **5 kg** **9051/50 kg**	5.30 18.50	2.90
4920	**Potassium carbonate** 98–100% K_2CO_3 MW 138.21	1.2	P **1 kg** **5 kg** **9051/50 kg**	4.— 13.25	2.15
6683	**Potassium carbonate sodium carbonate** GR CERTIFICATE OF GUARANTEE: Loss on ignition (600° C) . . . . max. 1 % Chloride (Cl) . . max. 0.002 % Total sulfur (as SO_4) . . . max. 0.005 % Phosphate and silicate (as SiO_2) . . max. 0.005 % Total nitrogen (N) max. 0.001 % Heavy metals (as Pb) . . . . max. 0.002 % Iron (Fe) . . . . max. 0.0005% Aluminium (Al) . max. 0.001 % Calcium (Ca) . max. 0.005 % Magnesium (Mg) max. 0.001 %	1.3	P 500 g 1 kg 5 kg	7. 12.25 53.—	
4944	**Potassium chlorate** GR $KClO_3$ MW 122.55 CERTIFICATE OF GUARANTEE: Assay of $KClO_3$. min. 99% Chloride (Cl) . . max. 0.001 % Sulfate (SO_4) . . max. 0.002 % Total nitrogen (N) max. 0.0005% Heavy metals (as Pb) . . . . max. 0.0005% Iron (Fe) . . . . max. 0.0003% Calcium (Ca) . max. 0.002 % Magnesium (Mg) max. 0.001 % Sodium (Na) . . max. 0.01 %	1	500 g 1 kg 5 kg	6.50 11.50 50.—	
4942	**Potassium chlorate** cryst. extra pure DAB 6, Cod Franç 1965 $KClO_3$ MW 122.55 TYPE ANALYSIS: Assay of $KClO_3$ (iodometric) . . . . 99% Chloride (Cl) . . . . . 0.002% Sulfate (SO_4) . . . . 0.01 % Total nitrogen (N) . . 0.002% Heavy metals (as Pb) . 0.002% Iron (Fe) 0.002%	1	**1 kg** **5 kg** **100 kg**	7.50 30.—	4.15
4938	**Potassium chloride Suprapur** KCl MW 74.56 CERTIFICATE OF GUARANTEE: Lead (Pb) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Copper (Cu) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Cobalt (Co) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Nickel (Ni) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Zinc (Zn) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Iron (Fe) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Aluminium (Al) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Manganese (Mn) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Thallium (Tl) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Barium (Ba) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Strontium (Sr) . . . . . max. $3 \cdot 10^{-4}$ % (3 ppm) Calcium (Ca) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Magnesium (Mg) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Lithium (Li) . . . . . max. $4 \cdot 10^{-5}$ % (0.4 ppm) Sodium (Na) . . . . . max. $4 \cdot 10^{-3}$ % (40 ppm)	1.5	P 50 g 500 g	10.50 70.	

		Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4933	**Potassium chloride** (max. 0.005% Br) GR KCl MW 74.56	1.1	P 250 g 500 g 1 kg	

CERTIFICATE OF GUARANTEE:

Assay of KCl	min. 99.5%	Iron (Fe)	max. 0.0003%
pH (5% solution 20°C)	5.5–8.5	Aluminium (Al)	max. 0.001 %
Bromide (Br)	max. 0.005 %	Calcium (Ca)	max. 0.001 %
Sulfate (SO_4)	max. 0.001 %	Magnesium (Mg)	max. 0.0005%
Phosphate (PO_4)	max. 0.0005%	Sodium (Na)	max. 0.005 %
Total nitrogen (N)	max. 0.001 %	Iodide (I)	max. 0.002 %
Heavy metals (as Pb)	max. 0.0005%	Hexacyanoferrate ($Fe[CN]_6$)	max. 0.0001%
		Barium (Ba)	max. 0.001 %

	Potassium chloride GR KCl MW 74.56	1	P 500 g 1 kg standard box 15 x 1 kg 12 x 15 x 1 kg 5 kg 50 kg	1 kg 1 kg 29.	6.75 6.50

CERTIFICATE OF GUARANTEE:

Assay (argentometric)	min. 99.5%	Total nitrogen (N)	max. 0.001 %
Substances insoluble in water	max. 0.01 %	Heavy metals (as Pb)	max. 0.0005%
pH (5% solution 20°C)	5.5–8.5	Iron (Fe)	max. 0.0003%
Sulfate (SO_4)	max. 0.003 %	Aluminium (Al)	max. 0.001 %
Phosphate (PO_4)	max. 0.002 %	Calcium (Ca)	max. 0.001 %
		Magnesium (Mg)	max. 0.0005%
		Sodium (Na)	max. 0.02 %

4935	**Potassium chloride** extra pure DAB 7 KCl MW 74.56	1.2	P **1 kg** **5 kg** **9051 50 kg**	4.— 15.—	2.15

TYPE ANALYSIS:

Assay (argentometric)	99%	Heavy metals (as Pb)	0.0005%
Sulfate (SO_4)	0.01 %	Iron (Fe)	0.001 %
Phosphate (PO_4)	0.002 %	Magnesium (Mg)	0.002 %
Total nitrogen (N)	0.001 %	Calcium (Ca)	0.005 %

Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.

4952	**Potassium chromate** GR K_2CrO_4 MW 194.20	0.6	P 250 g 500 g 1 kg		

CERTIFICATE OF GUARANTEE:

Assay of K_2CrO_4	min. 99.5 %	Copper (Cu)	max. 0.001%
pH (5% solution)	8.6–9.8	Iron (Fe)	max. 0.002%
Chloride (Cl)	max. 0.001%	Calcium (Ca)	max. 0.005%
Sulfate (SO_4)	max. 0.01 %	Sodium (Na)	max. 0.03 %
Lead (Pb)	max. 0.005%		

4951	**Potassium chromate** cryst. extra pure Erg B 6 K_2CrO_4 MW 194.20	0.6	P **500 g** **1 kg** **5 kg** **50 kg**	6.10 10.50 42.—	7.30

TYPE ANALYSIS:

Assay of K_2CrO_4 (iodometric)	99.5 %	Sulfate (SO_4)	0.05 %
Chloride (Cl)	0.004%	Calcium (Ca)	0.005%

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1030	**Potassium chromium(III) sulfate** GR $KCr(SO_4)_2 \cdot 12\,H_2O$ MW 499.41 CERTIFICATE OF GUARANTEE: Assay of KCr $(SO_4)_2 \cdot 12\,H_2O$ min. 99%; Substances insoluble in water max. 0.01 %; Chloride (Cl) max. 0.002%; Lead (Pb) max. 0.005%; Copper (Cu) max. 0.001%; Nickel (Ni) max. 0.001%; Iron (Fe) max. 0.01 %; Aluminium (Al) max. 0.005%; Ammonium (NH_4) max. 0.005%	1.1	P P	250 g 1 kg	7.— 20.—	
1035	**Potassium chromium(III) sulfate** pure $KCr(SO_4)_2 \cdot 12\,H_2O$ MW 499.41	1.1	P P P	1 kg 5 kg 9051/50 kg	4.75 16.25	2.10
4956	***tri*-Potassium citrate** pure NF XI $C_6H_5K_3O_7 \cdot H_2O$ MW 324.42 TYPE ANALYSIS: Assay of $C_6H_5K_3O_7$ (perchloric acid titration; on dried substance) 99%; pH (5% solution 20°C) 7–9; Chloride (Cl) 0.005 %; Sulfate (SO_4) 0.01 %; Heavy metals (as Pb) 0.001 %; Arsenic (As) 0.0002%; Loss on drying (180°C) 3–6%	1	P P P P	500 g 1 kg 5 kg 9051/50 kg	5.— 8.50 32.50	5.—
2799	**Potassium copper(I) cyanide** (copper potassium sodium cyanide) 22–24% Cu technical TYPE ANALYSIS: Assay of Cu 22%; Lead (Pb) 0.008%; Iron (Fe) 0.01 %	1.1	P P P	1 kg 5 kg 50 kg	12.75 51.— price on application	
4957	**Potassium cyanate** for synthesis (LAB) KCNO MW 81.11	1.2	P P	250 g 1 kg	4.25 9.50	
4967	**Potassium cyanide** GR KCN MW 65.12 CERTIFICATE OF GUARANTEE: Assay (argentometric) min. 96%; Chloride (Cl) max. 0.02 %; Sulfate (SO_4) max. 0.01 %; Sulfide (S) max. 0.001 %; Hexacyanoferrate(II) $[Fe(CN)_6^{-4}]$ max. 0.01 %; Thiocyanate (SCN) max. 0.01 %; Lead (Pb) max. 0.0005%; Copper (Cu) max. 0.0005%; Iron (Fe) max. 0.001 %; Sodium (Na) max. 0.3 %	2.5	P P P	100 g 250 g 1 kg	4.25 9. 28.	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4961	**Potassium cyanide Selectipur®** KCN MW 65.12	2.5	P	250 g	price on application	
4966	**Potassium cyanide** extra pure Erg B 6 KCN MW 65.12 TYPE ANALYSIS: Assay of KCN . . . . 96% Chloride (Cl) . . . . 0.5 % Sulfate (SO_4) . . . . 0.04 % Sulfide (S) . . . . . 0.001 % Heavy metals (as Pb) 0.0005% Sodium (Na) . . . . 0.3 %	2.5		250 g 1 kg	5.50 15.—	
4965	**Potassium cyanide** 96–98% fine-granular KCN MW 65.12 TYPE ANALYSIS: Assay (argentometric) 96% Sulfide (S) . . . . . 0.001% Sodium (Na) 1%	1.4		500 g 1 kg 5 kg 50 kg	5.30 9.— 36.75	4.75
	Potassium cyanide 98–100% (potassium sodium cyanide) see Cyanide double salt					
	Potassium deuterophosphate-d_2 see Potassium dideuterophosphate					
4864	Potassium dichromate GR $K_2Cr_2O_7$ MW 294.19 CERTIFICATE OF GUARANTEE: Assay of $K_2Cr_2O_7$. min. 99.5 % Chloride (Cl) . . max. 0.001% Sulfate (SO_4) . . max. 0.005% Lead (Pb) . . . . max. 0.005% Copper (Cu) . . . max. 0.001% Iron (Fe) . . . . max. 0.002% Calcium (Ca) . . . max. 0.002% Sodium (Na) . . . max. 0.02 % Loss on drying (105° C) . . . . max. 0.05 %	0.8		250 g 500 g 1 kg 5 kg	4.75 7.90 13.75 57.-	
[illegible]	Potassium dichromate GR volumetric standard $K_2Cr_2O_7$ MW 294.19 CERTIFICATE OF GUARANTEE: Assay of $K_2Cr_2O_7$ 99.95–100.05% Substances insoluble in water . . . . max. 0.005% Chloride (Cl) . . max. 0.001% Sulfate (SO_4) . . max. 0.003% Calcium (Ca) . . max. 0.001% Sodium (Na) . . max. 0.01 %	0.6	P	250 g	5.50	
4862	**Potassium dichromate** cryst. extra pure DAB 6 $K_2Cr_2O_7$ MW 294.19 TYPE ANALYSIS: Assay of $K_2Cr_2O_7$ (iodometric) . . . . 99.8 % Substances insoluble in water . . . . . 0.05 % Chloride (Cl) . . . . . 0.005% Sulfate (SO_4) . . . . . 0.01 % Calcium (Ca) . . . . . 0.005% Sodium (Na) . . . . . 0.05 %	0.7		500 g 1 kg 5 kg 9051/50 kg	4.75 8.25 31.50	5.30

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4861	**Potassium dichromate** powder technical $K_2Cr_2O_7$ MW 294.19	0.7	1 kg 5 kg 9051/50 kg	5.50 21.—	 3.40
4860	**Potassium dichromate** technical $K_2Cr_2O_7$ MW 294.19	0.9	1 kg 5 kg 9051/50 kg	5.25 19.50	 3.15
9928/0001	**0.1 N Potassium dichromate solution Titrisol®** (DBP No. 971 376) concentrated solution for preparation of 1 litre of 0.1 N solution		1 ampoule	3.50	
4858/0001	**Potassium dichromate tablets** 0.033 g in tins cont. about 5000 tablets		1 tin 5 x 1 tin 25 x 1 tin 100 x 1 tin	12.50 12.— 11.50 11.25	
4879	**Potassium dideuterophosphate** deuteration degree not less than 99% KD_2PO_4 MW 138.10		10 g 100 g	35.— 300.—	
4869	**Potassium dihydrogen arsenate Optipur®** KH_2AsO_4 MW 180.02	1	100 g 1 kg	prices on application	
4873	**Potassium dihydrogen phosphate** GR KH_2PO_4 MW 136.09 CERTIFICATE OF GUARANTEE: Assay of KH_2PO_4 min. 99% pH (5% solution) . 4.2–4.5 Chloride (Cl) . . max. 0.0005% Sulfate (SO_4) . . max. 0.003 % Total nitrogen (N) max. 0.001 % Heavy metals (as Pb) . . . . max. 0.001 % Iron (Fe) . . . . max. 0.001 % Arsenic (As) . . max. 0.00005% Sodium (Na) . . max. 0.05 %	0.8	250 g 500 g 1 kg 5 kg 50 kg	5.— 8.25 15.— 60.—	 10.50
4872	**Potassium dihydrogen phosphate Optipur®** KH_2PO_4 MW 136.09		1 kg	price on application	
4871	**Potassium dihydrogen phosphate** cryst. extra pure KH_2PO_4 MW 136.09	0.8	1 kg 5 kg 9051/50 kg	8.— 31.50	 5.10
4870	**Potassium dihydrogen phosphate** cryst. pure KH_2PO_4 MW 136.09	0.8	1 kg 5 kg 9051/50 kg	7.— 28.50	 4.70

		Volume		Standard packages Prices per container	Bulk packages fob incl. packing Prices per kg
				DM	DM
4875	**1/15 M Potassium dihydrogen phosphate solution** (buffer stock solution) 1 l = 1.00 kg		500 ml 1 l	5.30 8.40	
5106	**Potassium disulfate** (potassium pyrosulfate) GR $K_2S_2O_7$ MW 254.33 CERTIFICATE OF GUARANTEE: Assay of $K_2S_2O_7$ min. 97.5% Chloride (Cl) . . max. 0.0005% Phosphate (PO_4) max. 0.001 % Total nitrogen (N) max. 0.002 % Heavy metals (as Pb) . . . . max. 0.001 % Iron (Fe) . . . . max. 0.0005% Aluminium (Al) . max. 0.001 % Calcium (Ca) . . max. 0.003 % Magnesium (Mg) max. 0.0005% Sodium (Na) . . max. 0.01 %	1	500 g 1 kg 5 kg 50 kg	6.50 11.50 52.50	8.—
5107	**Potassium disulfate** (potassium pyrosulfate) powder GR $K_2S_2O_7$ MW 254.33 CERTIFICATE OF GUARANTEE: Assay of $K_2S_2O_7$ min. 97.5% Chloride (Cl) . . max. 0.0005% Phosphate (PO_4) max. 0.001 % Total nitrogen (N) max. 0.002 % Heavy metals (as Pb) . . . . max. 0.001 % Iron (Fe) . . . . max. 0.0005% Aluminium (Al) . max. 0.001 % Calcium (Ca) . . max. 0.003 % Magnesium (Mg) max. 0.0005% Sodium (Na) . . max. 0.01 %		500 g 1 kg	7.— 12.50	
5105	**Potassium disulfate** (potassium pyrosulfate) $K_2S_2O_7$ MW 254.33	0.9	1 kg 5 kg 50 kg	9.25 38.—	5.30
5057	**Potassium disulfite** (potassium metabisulfite) cryst. GR $K_2S_2O_5$ MW 222.33 CERTIFICATE OF GUARANTEE: Assay of $K_2S_2O_5$ min. 90% Substances insoluble in water . . . max. 0.005 % Chloride (Cl) . max. 0.005 % Lead (Pb) . . . . max. 0.001 % Copper (Cu) . . . max. 0.001 % Iron (Fe) . . . max. 0.0005% Zinc (Zn) . . . . max. 0.001 % Arsenic (As) . . max. 0.0001%	0.8	250 g 1 kg 2½ kg	4.50 10.50 23.25	
5055 †	**Potassium** disulfite (potassium metabisulfite) cryst. $K_2S_2O_5$ MW 222.33	0.8	1 kg 5 kg 9051/50 kg	4.75 16.25	2.65

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5056	**Potassium disulfite** (potassium metabisulfite) powder $K_2S_2O_5$ MW 222.33	0.7	P 1 kg 5 kg 9051/50 kg	4.75 16.25	2.65
5058	**Potassium disulfite** (potassium metabisulfite) tablets 10 g		1 special carton (24 x 1 kg) 5 cartons 10 cartons	132.— 129.— 125.—	
	Potassium ferricyanide see Potassium hexacyanoferrate(III)				
	Potassium ferrocyanide see Potassium hexacyanoferrate(II)				
4995	**Potassium fluoride Suprapur®** (cont. KHF_2) KF MW 58.10 CERTIFICATE OF GUARANTEE: Lead (Pb) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Copper (Cu) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Nickel (Ni) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Cobalt (Co) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Iron (Fe) . . . . . max. $2 \cdot 10^{-5}$ % (0.2 ppm) Zinc (Zn) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Manganese (Mn) . . . . . max. $2 \cdot 10^{-5}$ % (0.2 ppm) Calcium (Ca) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Lithium (Li) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Sodium (Na) . . . . . max. $5 \cdot 10^{-3}$ % (50 ppm)	1.6	P 25 g 250 g	13.25 90.—	
4994	**Potassium fluoride** GR KF MW 58.10 CERTIFICATE OF GUARANTEE: Assay of KF . . . min. 99% Free acid (as HF) . max. 0.01 % Free alkali (as KOH) . . . max. 0.01 % Chloride (Cl) . . . max. 0.005% Sulfate (SO_4) . . . max. 0.005% Hexafluorosilicate (as SiF_6) . . . . max. 0.05 % Heavy metals (as Pb) max. 0.001% Iron (Fe) . . . . . max. 0.001%	0.8	P 250 g 1 kg	7.50 22.50	
4993	**Potassium fluoride** pure KF MW 58.10	0.8	P 500 g 1 kg 5 kg 50 kg	8.50 14.75 61.—	10.50
	Potassium D-gluconate for biochemistry (LAB) $C_6H_{11}KO_7$ MW 234.24	2.5	P 25 g	8.50	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5127	**Potassium guaiacol sulfonate** DAB 6 $C_7H_7KO_5S$ MW 242.30	1.3	P 250 g 1 kg 5 kg 50 kg	5.80 19.25 87.—	15.75
4984	**Potassium hexacyanoferrate(II)** GR $K_4[Fe(CN)_6] \cdot 3\,H_2O$ MW 422.41 CERTIFICATE OF GUARANTEE: Assay of $K_4[Fe(CN_6)] \cdot 3\,H_2O$ . . . . . min. 99% Chloride (Cl) . . max. 0.005% Sulfate (SO_4) . . . max. 0.005% Carbonate (CO_3) max. 0.0015% Lead (Pb) . . . . max. 0.002 % Copper (Cu) . . . max. 0.002 % Cadmium (Cd) . . max. 0.0005% Sodium (Na) . . . max. 0.01 %	0.95	P 500 g 1 kg 5 kg	6. 10.50 45.	
4982	**Potassium hexacyanoferrate(II)** cryst. pure Erg B 6 suitable for treatment of wine $K_4[Fe(CN)_6] \cdot 3\,H_2O$ MW 422.41	1	P 500 g 1 kg 5 kg 9051/50 kg	5.— 8.25 33.—	5.30
4983	**Potassium hexacyanoferrate(II)** powder pure $K_4[Fe(CN)_6] \cdot 3\,H_2O$ MW 422.41	1.1	P 1 kg 5 kg 9051/50 kg	8.25 33.—	5.50
4973	**Potassium hexacyanoferrate(III)** GR $K_3[Fe(CN)_6]$ MW 329.26 CERTIFICATE OF GUARANTEE: Assay of $K_3[Fe(CN)_6]$. min. 99% Chloride (Cl) . . max. 0.005 % Sulfate (SO_4) . . max. 0.005 % Hexacyanoferrate(II) $[Fe(CN)_6]^{-4}$ . . max. 0.02 % Lead (Pb) . . . . max. 0.002 % Copper (Cu) . . max. 0.001 % Cadmium (Cd) . . max. 0.0005% Sodium (Na) . . max. 0.02 %	0.95	P 250 g 500 g 1 kg	5.75 10.— 18.	
4971	**Potassium hexacyanoferrate(III)** cryst. pure Erg B 6 $K_3[Fe(CN)_6]$ MW 329.26	1.2	P 1 kg 5 kg 9051/50 kg	10.50 45.—	7.80
4972	**Potassium hexacyanoferrate(III)** powder pure $K_3[Fe(CN)_6]$ MW 329.26	1.3	P 250 g 1 kg 5 kg 9051/50 kg	4.75 11.— 47.50	8.10

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4970	**Potassium hexacyanoferrate(III)** technical $K_3[Fe(CN)_6]$ MW 329.26	1	P 1 kg 5 kg 9051 50 kg	9.50 40.—	6.90
	0.005 N Potassium hexacyanoferrate(III) solution *Titrisol*® see Hagedorn-Jensen's solutions				
5179	**Potassium hexafluorotitanate(IV)** GR $K_2[TiF_6]$ MW 240.09 CERTIFICATE OF GUARANTEE: Assay of $K_2(TiF_6)$ min. 99% Chloride (Cl) . . max. 0.005% Sulfate (SO_4) . . max. 0.005% Phosphate (PO_4) . max. 0.005% Heavy metals (as Pb) . . . . max. 0.005% Iron (Fe) . . . . max. 0.005% Ammonium (NH_4) max. 0.005%	1	P 50 g 100 g 250 g	6.85 12.50 28.50	
	Potassium hexahydroxoantimonate(V) see Potassium pyroantimonate				
4854	**Potassium hydrogen carbonate** GR $KHCO_3$ MW 100.12 CERTIFICATE OF GUARANTEE: Assay of $KHCO_3$ min. 99.5% Chloride (Cl) . . max. 0.001 % Sulfate (SO_4) . max. 0.001 % Phosphate and silicate (as SiO_2) . . . max. 0.001 % Total nitrogen (N) max. 0.001 % Heavy metals (as Pb) . . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Aluminium (Al) . max. 0.0005% Calcium (Ca) . . max. 0.0005% Sodium (Na) . . max. 0.02 %	0.9	P 500 g 1 kg	6.30 10.50	
4852	**Potassium hydrogen carbonate** fine cryst. extra pure DAB 7, BPC 1968, Cod Franç 1949, USP XVII $KHCO_3$ MW 100.12 TYPE ANALYSIS: Assay (acidimetric) . . 99.5 % Chloride (Cl) . . . . 0.007% Sulfate (SO_4) . . . . 0.01 % Phosphate and silicate (as SiO_2) . . . . . 0.005% Total nitrogen (N) . . 0.002% Heavy metals (as Pb) . 0.001% Iron (Fe) 0.002%	0.9	P 1 kg 5 kg 9051/50 kg	5.30 18.—	2.65

		Volume		Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
				DM	DM
4877	**Potassium hydrogen diiodate** GR $KH(IO_3)_2$ MW 389.92 CERTIFICATE OF GUARANTEE: Assay of $KH(IO_3)_2$ min. 99.8%; Chloride, chlorate and bromide, bromate (as Cl) max. 0.02 %; Total nitrogen (N) max. 0.0025%; Heavy metals (as Pb) max. 0.001 %; Iron (Fe) max. 0.0005%	0.6	25 g 100 g	5.50 15.75	
5099	*di*-**Potassium hydrogen phosphate 3-hydrate** GR $K_2HPO_4 \cdot 3\,H_2O$ MW 228.23 CERTIFICATE OF GUARANTEE: Assay of $K_2HPO_4 \cdot 3\,H_2O$ min. 99%; pH (5% solution) 9.1–9.2; Chloride (Cl) max. 0.001 %; Sulfate (SO_4) max. 0.005 %; Total nitrogen (N) max. 0.001 %; Heavy metals (as Pb) max. 0.001 %; Iron (Fe) max. 0.0005 %; Arsenic (As) max. 0.00005%; Sodium (Na) max. 0.1 %	1	250 g 500 g 1 kg	5.– 9.50 18.–	
5101	*di*-**Potassium hydrogen phosphate** anhydrous extra pure Erg B 6 K_2HPO_4 MW 174.18	0.9	500 g 1 kg 5 kg 9051 50 kg	6.10 10.25 42.––	7.20
5100	*di*-**Potassium hydrogen phosphate** anhydrous K_2HPO_4 MW 174.18	0.85	500 g 1 kg 5 kg 9051 50 kg	5.30 9.50 38.–	6.60
4874	**Potassium hydrogen phthalate** GR $C_8H_5KO_4$ MW 204.23 CERTIFICATE OF GUARANTEE: Assay (acidimetric) 99.9–100.5 %; Substances insoluble in water max. 0.005 %; Chloride (Cl) max. 0.002 %; Sulfur (as SO_4) max. 0.006 %; Heavy metals (as Pb) max. 0.0005%; Iron (Fe) max. 0.0005%; Sodium (Na) max. 0.005 %; Loss on drying (105°C) max. 0.05 %	1.2	100 g 250 g 1 kg	4.– 7.– 21.–	
4876	**Potassium hydrogen phthalate** GR volumetric standard $C_8H_5KO_4$ MW 204.23 CERTIFICATE OF GUARANTEE: Assay (acidimetric) 99.95–100.05%; pH (5% solution 20° C) 3.9; Chloride (Cl) max. 0.002 %; Sulfur (as SO_4) max. 0.006 %; Heavy metals (as Pb) max. 0.0005%; Iron (Fe) max. 0.0005%; Sodium (Na) max. 0.005 %	1.1	100 g	5.–	
4877	**Potassium hydrogen phthalate Optipur®** $C_8H_5KO_4$ MW 204.23	1	1 kg	price on application	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4881	**Potassium hydrogen sulfate** GR $KHSO_4$ MW 136.17 CERTIFICATE OF GUARANTEE: Assay of $KHSO_4$. min. 99% Chloride (Cl) . max. 0.0005% Phosphate (PO_4) max. 0.001 % Total nitrogen (N) max. 0.001 % Heavy metals (as Pb) . . . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Aluminium (Al) . max. 0.001 % Calcium (Ca) . max. 0.002 % Magnesium (Mg) max. 0.0005% Sodium (Na) . . max. 0.005 %	0.9	P	250 g 500 g 1 kg 5 kg	5.— 7.50 13.25 53.—	
4883	**Potassium hydrogen sulfate** cryst. extra pure $KHSO_4$ MW 136.17 TYPE ANALYSIS: Assay of $KHSO_4$ (acidimetric) . . . . 99% Chloride (Cl) . . . . 0.003% Heavy metals (as Pb) . 0.004% Iron (Fe) . . . . . 0.002% Aluminium (Al) . . . . 0.002% Calcium (Ca) . . . . 0.01 %	0.8	P □	1 kg 5 kg 50 kg	7.50 29.—	 4.20
4884	**Potassium hydrogen sulfate** fused extra pure $KHSO_4$ MW 136.17 TYPE ANALYSIS: Assay of $KHSO_4$ (acidimetric) . . . . 99% Chloride (Cl) . . . . 0.003% Heavy metals (as Pb) . 0.004% Iron (Fe) . . . . . 0.002% Aluminium (Al) . . . . 0.002% Calcium (Ca) . . . . 0.01 %	0.9	P □	1 kg 5 kg 50 kg	8.25 32.50	 5.—
4892	**Potassium hydrogen tartrate** powder extra pure DAB 6, BPC 1968, Cod Franç 1949, NF XII $C_4H_5KO_6$ MW 188.18	1	P ▬ □	500 g 1 kg 5 kg 9051/50 kg	5.— 8.50 31.50	 5.—
5021	**Potassium hydroxide** pellets (max. 0.002% Na) GR KOH MW 56.11 CERTIFICATE OF GUARANTEE: Assay of KOH . min. 86% Assay of K_2CO_3 max. 1 % Chloride (Cl) . max. 0.0005 % Sulfate (SO_4) . max. 0.0005 % Phosphate (PO_4) max. 0.0005 % Silicate (SiO_2) max. 0.002 % Total nitrogen (N) max. 0.0003 % Lead (Pb) . . max. 0.0001 % Copper (Cu) . max. 0.0001 % Nickel (Ni) . . max. 0.0001 % Iron (Fe) . . . max. 0.0005 % Zinc (Zn) . . . max. 0.0001 % Cadmium (Cd) max. 0.00001% Aluminium (Al) max. 0.0002 % Manganese (Mn) max. 0.00005% Calcium (Ca) . max. 0.0005 % Sodium (Na) . max. 0.002 %	1	P	250 g 1 kg 5 kg	7.50 22.50 100	

		Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5033	**Potassium hydroxide** pellets extra pure GR KOH MW 56.11 CERTIFICATE OF GUARANTEE: Assay of KOH . min. 86% Assay of K_2CO_3 max. 1 % Chloride (Cl) . max. 0.0005% Sulfate (SO_4) . max. 0.0005% Phosphate (PO_4) max. 0.0005% Silicate (SiO_2) . max. 0.005 % Total nitrogen (N) max. 0.0003% Heavy metals (as Pb) . . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Aluminium (Al) max. 0.001 % Calcium (Ca) . max. 0.001 % Nickel (Ni) . . . max. 0.0005% Sodium (Na) . . . max. 0.5 %	1	[illegible] 1 kg standard box 15 x 1 kg 12 x 15 x 1 kg 5 kg 50 kg 2 x 50 kg	4. 7 1 kg 6.50 1 kg 6.25 30.— 	 4.20 4.10
[illegible]	**Potassium hydroxide** pellets for biochemistry (LAB) KOH MW 56.11	0.9	1 kg 5 kg	7.50 33.—	
5019	**Potassium hydroxide** pellets **Selectipur**® KOH MW 56.11	1	5 kg 25 kg 50 kg	prices on application	
5032	**Potassium hydroxide** pellets extra pure DAB 6, BP 1968, JP VII, Ph Internat I, USP XVII KOH MW 56.11 TYPE ANALYSIS: Assay of KOH . . . . 85% Carbonate (as K_2CO_3) . 2 % Chloride (Cl) . . . . 0.004 % Sulfate (SO_4) . . . . 0.003 % Phosphate (PO_4) . . 0.002 % Silicate (SiO_2) . . . 0.01 % Total nitrogen (N) . . 0.0005% Heavy metals (as Pb) 0.0005% Iron (Fe) . . . . . 0.001 % Aluminium (Al) . . . 0.001 % Calcium (Ca) . . . . 0.002 % Arsenic (As) 0.0004%	0.9	1 kg standard box 15 x 1 kg 12 x 15 x 1 kg 5 kg 50 kg 2 x 50 kg	6.— 1 kg 5.70 1 kg 5.50 22.50 	 3.75 3.65
5003	**Potassium hydroxide** pellets, for manufacture of mirrors KOH MW 56.11	0.9	5 kg 50 kg 2 x 50 kg	22.50 	 3.75 3.65
5012	**Potassium hydroxide** pellets pure KOH MW 56.11 TYPE ANALYSIS: Assay of KOH . . . . 84% Carbonate (as K_2CO_3) . 2 % Chloride (Cl) . . . . 0.01% Sulfate (SO_4) . . . . 0.01% Heavy metals (as Pb) . 0.002 % Iron (Fe) . . . . . 0.002 % Aluminium (Al) . . . . 0.002 %	0.9	1 kg 5 kg 50 kg 2 x 50 kg	5.50 20.— 	 3.50 3.40
5020	**Potassium hydroxide** sticks pure BP 1968 KOH MW 56.11	1	500 g 5 kg 12 x 5 kg	7.— 53.—	 49.50

	Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	1 l = 1.29 kg			

CERTIFICATE OF GUARANTEE:

Assay	min. 30%
Chloride (Cl)	max. $1 \cdot 10^{-4}$ % (1 ppm)
Sulfate (SO_4)	max. $5 \cdot 10^{-4}$ % (5 ppm)
Phosphate (PO_4)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Silicate (SiO_2)	max. $5 \cdot 10^{-4}$ % (5 ppm)
Lead (Pb)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Copper (Cu)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Nickel (Ni)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Cobalt (Co)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Iron (Fe)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Zinc (Zn)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Aluminium (Al)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Manganese (Mn)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Thallium (Tl)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Magnesium (Mg)	max. $2 \cdot 10^{-5}$ % (0.2 ppm)
Calcium (Ca)	max. $1 \cdot 10^{-4}$ % (1 ppm)
Strontium (Sr)	max. $1 \cdot 10^{-4}$ % (1 ppm)
Barium (Ba)	max. $1 \cdot 10^{-3}$ % (10 ppm)
Lithium (Li)	max. $5 \cdot 10^{-5}$ % (0.5 ppm)
Sodium (Na)	max. $1 \cdot 10^{-3}$ % (10 ppm)
Arsenic (As)	max. $5 \cdot 10^{-5}$ % (0.5 ppm)

5545 •I• * **Potassium hydroxide solution** about 47% (1.498) for absorption of carbon dioxide

1 l = 1.50 kg

P	500 ml	5.80	
	2½ l	21.—	
	60 kg		3.70

CERTIFICATE OF GUARANTEE:

Assay of KOH (acidimetric)	min. 47%
Assay of K_2CO_3 (acidimetric)	max. 1 %
Substances reducing $KMnO_4$ (as O)	max. 0.0035%

9918/0001 •I• **1 N Potassium hydroxide solution Titrisol**® (DBP No. 971 376/975 054) concentrated solution for preparation of 1 litre of 1 N solution

1 ampoule 4.75

9919/0001 •I• **0.5 N Potassium hydroxide solution Titrisol**® (DBP No. 971 376/975 054) concentrated solution for preparation of 1 litre of 0.5 N solution

1 ampoule 4.25

9351 •I• **0.5 N Potassium hydroxide solution** in methanol

1 l 7.70

9921/0001 **0.1 N Potassium hydroxide solution Titrisol**® (DBP No. 971 376/975 054) concentrated solution for preparation of 1 litre of 0.1 N solution

1 ampoule 3.50

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4640	**Potassium hypophosphite** Erg B 6, BPC 1963, NF X KH_2PO_2 MW 104.09	1	250 g 1 kg 5 kg 50 kg	6.25 20.— 95.— price on application	
5051	**Potassium iodate** GR KIO_3 MW 214.00 CERTIFICATE OF GUARANTEE: Assay of KIO_3 . . min. 99.5% pH (5% solution) 5–8 Chloride, chlorate and bromide (as Cl) max. 0.02 % Iodide (I) . . . . max. 0.002 % Sulfate (SO_4) . max. 0.005 % Total nitrogen (N) max. 0.002 % Heavy metals (as Pb) . . . . max. 0.0005% Iron (Fe) . . . . max. 0.001 % Sodium (Na) . . max. 0.005 % Loss on drying (over sulfuric acid) . . . . max. 0.05 %	0.5	100 g 250 g 1 kg	7. 15.75 53.—	
5053	**Potassium iodate** GR volumetric standard KIO_3 MW 214.00 CERTIFICATE OF GUARANTEE: Assay after drying at 150° C . . . 99.95–100.05% Substances insoluble in water . . . max. 0.005 % Free alkali (as KOH) . . . max. 0.003 % Free acid (as HIO_3) . . . max. 0.01 % Chloride, chlorate and bromide (as Cl) max. 0.02 % Iodide (I) . . . . max. 0.0025% Sulfate (SO_4) . . max. 0.005 % Total nitrogen (N) max. 0.002 % Heavy metals (as Pb) . . . . max. 0.001 % Iron (Fe) . . . . max. 0.001 % Sodium (Na) . . max. 0.01 %	0.75	100 g	10.	
5050	**Potassium iodate** Erg B 6 KIO_3 MW 214.00 TYPE ANALYSIS: Assay (iodometric) . 99.5% Bromide, chloride and chlorate (as Cl) . . 0.005 % Iodide (I) 0.0002%	0.6	100 g 250 g 1 kg 5 kg	5.30 10.50 33.75 158.—	

0.005 N Potassium iodate solution *Titrisol*®
see Hagedorn-Jensen's solutions

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5044	**Potassium iodide Suprapur®** KI MW 166.01	0.8	P	50 g 500 g	12.75 90.—	

CERTIFICATE OF GUARANTEE:

Lead (Pb)	max. $5 \cdot 10^{-6}$ %	(0.05	ppm)
Copper (Cu)	max. $1 \cdot 10^{-6}$ %	(0.01	ppm)
Nickel (Ni)	max. $1 \cdot 10^{-6}$ %	(0.01	ppm)
Cobalt (Co)	max. $5 \cdot 10^{-7}$ %	(0.005	ppm)
Iron (Fe)	max. $5 \cdot 10^{-6}$ %	(0.05	ppm)
Zinc (Zn)	max. $5 \cdot 10^{-7}$ %	(0.005	ppm)
Aluminium (Al)	max. $5 \cdot 10^{-7}$ %	(0.005	ppm)
Manganese (Mn)	max. $1 \cdot 10^{-6}$ %	(0.01	ppm)
Thallium (Tl)	max. $1 \cdot 10^{-6}$ %	(0.01	ppm)
Magnesium (Mg)	max. $5 \cdot 10^{-6}$ %	(0.05	ppm)
Calcium (Ca)	max. $5 \cdot 10^{-6}$ %	(0.05	ppm)
Strontium (Sr)	max. $3 \cdot 10^{-4}$ %	(3	ppm)
Barium (Ba)	max. $5 \cdot 10^{-4}$ %	(5	ppm)
Sodium (Na)	max. $5 \cdot 10^{-4}$ %	(5	ppm)

5043	**Potassium iodide** neutral GR KI MW 166.01	0.8		100 g 250 g 500 g 1 kg 5 kg	5.50 12.50 22.50 42.50 185.	

CERTIFICATE OF GUARANTEE:

Assay of KI	min. 99.5%	Total nitrogen (N)	max. 0.001 %
pH (5% solution 20° C)	6–8	Heavy metals (as Pb)	max. 0.0005 %
Chloride and bromide (as Cl)	max. 0.01 %	Iron (Fe)	max. 0.0003 %
Sulfate (SO_4)	max. 0.001 %	Calcium (Ca)	max. 0.001 %
Iodate (IO_3)	max. 0.0002 %	Sodium (Na)	max. 0.03 %
Phosphate (PO_4)	max. 0.001 %	Arsenic (As)	max. 0.00001%
Barium (Ba)	max. 0.002 %	Loss on drying (105°C)	max. 0.1 %

5040	**Potassium iodide** extra pure DAB 7, Cod Franç 1965, Ph Internat I, USP XVII KI MW 166.01	0.8		250 g 500 g 1 kg 5 kg 12½ kg 50 kg	7.50 13.75 24.50 115.— prices on application	

TYPE ANALYSIS:

Assay of KI (argentometric)	99.5%	Thiosulfate (S_2O_3)	0.005 %
Free alkali (as K_2CO_3)	0.028 %	Total nitrogen (N)	0.003 %
Chloride and bromide (as Cl)	0.03 %	Heavy metals (as Pb)	0.001 %
Sulfate (SO_4)	0.01 %	Iron (Fe)	0.0005 %
Iodate (IO_3)	0.00025%	Calcium (Ca)	0.005 %
		Arsenic (As)	0.0002 %
		Loss on drying (105°C)	0.3 %

5047	**Potassium iodide** about 90% feed grade (cont. about 10% calcium stearate)	1.2		1001/1 kg 5001/5 kg 50 kg	24.50 115.— price on application	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
512/0001	**Potassium iodide-starch paper** (for detection of ozone) booklet cont. 100 strips		10 booklets	booklet	—.63	
			5 x 10 booklets	booklet	—.58	
	Potassium mercury(II) cyanide see Potassium tetracyanomercurate(II)					
	Potassium mercury(II) iodide solution see Thoulet's solution					
	Potassium metabisulfite see Potassium disulfite					
	Potassium metaperiodate see Potassium *meta*-periodate					
	Potassium nickel(II) cyanide see Potassium tetracyanoniccolate(II)					
5063	**Potassium nitrate** GR KNO_3 MW 101.11 CERTIFICATE OF GUARANTEE: Assay of KNO_3 . min. 99% pH (5% solution 20°C) . . . . 6–8 Chloride (Cl) . . max. 0.001 % Sulfate (SO_4) . . max. 0.003 % Phosphate (PO_4) max. 0.0005% Heavy metals (as Pb) . . . . max. 0.0005% Iron (Fe) . . . . max. 0.0003% Calcium (Ca) . max. 0.001 % Sodium (Na) . . max. 0.02 % Ammonium (NH_4) max. 0.001 % Iodate (IO_3) . . max. 0.0005% Nitrite (NO_2) . . max. 0.001 %	0.9	P	500 g 1 kg 5 kg	4.50 7.50 32.	
5061	**Potassium nitrate** extra pure DAB 6, BP 1968, NF XI, Ph Ned VI KNO_3 MW 101.11	0.9	P	1 kg 5 kg 9051/50 kg	6.— 22.50	3.25
5060	**Potassium nitrate** pure KNO_3 MW 101.11	0.9	P	1 kg 5 kg 9051/50 kg	4.50 15.50	1.95
5067	**Potassium nitrite** cryst. GR KNO_2 MW 85.11 CERTIFICATE OF GUARANTEE: Assay of KNO_2 . . min. 97 % Chloride (Cl) . . max. 0.005% Sulfate (SO_4) . . max. 0.005% Heavy metals (as Pb) . . . . max. 0.001% Iron (Fe) . . . . max. 0.001% Calcium (Ca) . . max. 0.005% Sodium (Na) . . . max. 0.5 %	1.3	P	250 g 1 kg 5 kg	10.50 34.75 153.	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Potassium-(4-nitrophenyl)-sulfate see 4-Nitrophenyl hydrogen sulfate potassium salt				
5073	***di*-Potassium oxalate** GR $K_2C_2O_4 \cdot H_2O$ MW 184.24 CERTIFICATE OF GUARANTEE: Assay of $K_2C_2O_4 \cdot H_2O$. min. 99.5 % Chloride (Cl) . . max. 0.001% Sulfate (SO_4) . . max. 0.01 % Phosphate (PO_4) . max. 0.001% Total nitrogen (N) max. 0.001% Heavy metals (as Pb) . . . . max. 0.001% Iron (Fe) . . . . max. 0.001% Sodium (Na) . . . max. 0.02 %	0.9	P P	250 g 1 kg	6.30 19.—	
5072	***di*-Potassium oxalate** extra pure Erg B 6 $K_2C_2O_4 \cdot H_2O$ MW 184.24 TYPE ANALYSIS: Assay of $K_2C_2O_4 \cdot H_2O$ (oxidimetric) . . . . 99% Chloride (Cl) . . . . . 0.002% Sulfate (SO_4) . . . . 0.02 % Heavy metals (as Pb) . 0.003% Iron (Fe) 0.001%	0.9	P P	500 g 1 kg 5 kg 9051/50 kg	6.30 10.50 40.—	 6.80
9117 *	**0.1 N Potassium palmitate solution** for determination of water hardness acc. to Blacher		P	1 l	13.75	
5076	**Potassium perchlorate** GR $KClO_4$ MW 138.55 CERTIFICATE OF GUARANTEE: Assay of $KClO_4$. min. 99.5% pH (1% solution) 5–7 Chloride and chlorate (as Cl) . . . . max. 0.005 % Sulfate (SO_4) . . max. 0.002 % Total nitrogen (N) max. 0.0005% Heavy metals (as Pb) . . . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Calcium (Ca) . . max. 0.005 % Sodium (Na) . . max. 0.002 %	1		250 g 1 kg	7.50 22.25	
5079	**Potassium *meta*-periodate** (potassium tetroxoiodate) GR KIO_4 MW 230.00 CERTIFICATE OF GUARANTEE: Assay of KIO_4 . min. 99.8% Chloride, chlorate and bromide, bromate (as Cl) max. 0.01 % Sulfate (SO_4) . max. 0.01 % Manganese (Mn) max. 0.0001% Loss on drying (105°C) . . . max. 0.1 %	0.5	P	25 g 100 g 250 g	4.25 10.50 23.75	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5083	**Potassium permanganate** (max. 0.0005% SO_4) GR $KMnO_4$ MW 158.04 CERTIFICATE OF GUARANTEE: Assay . . . . . min. 99% Chloride (Cl) . . max. 0.003 % Sulfate (SO_4) . . max. 0.0005% Total nitrogen (N) max. 0.003 % Heavy metals (as Pb) . . . . max. 0.005 % Copper (Cu) . . max. 0.001 % Iron (Fe) . . . . max. 0.002 %	0.9	250 g 500 g 1 kg	5.75 9.50 17.—	
5082	**Potassium permanganate** GR $KMnO_4$ MW 158.04 CERTIFICATE OF GUARANTEE: Assay . . . . . min. 99% Chloride (Cl) . . max. 0.003% Sulfate (SO_4) . . max. 0.005% Total nitrogen (N) max. 0.003% Heavy metals (as Pb) . . . . . max. 0.005% Copper (Cu) . . . max. 0.001% Iron (Fe) . . . . max. 0.002%	0.9	250 g 500 g 1 kg 5 kg	5.— 8.50 15.50 66.—	
5080	**Potassium permanganate** cryst. DAB 7, BP 1968, Cod Franç 1965, JP VII, USP XVII $KMnO_4$ MW 158.04 TYPE ANALYSIS: Assay of $KMnO_4$ (iodometric) . . . . 99% Chloride (Cl) . . . . 0.005 % Sulfate (SO_4) . . . . 0.01 % Heavy metals (as Pb) . 0.005 % Arsenic (As) 0.0001%	0.9	500 g 1 kg 5 kg 50 kg 5 x 50 kg	5.— 8.— 33.—	 5.10 4.90
35 0001	**0.1 N Potassium permanganate solution Titrisol** (DBP No. 971 376) concentrated solution for preparation of 1 litre of 0.1 N solution adjusted against oxalate		1 ampoule	3.50	
[illegible]	**Potassium peroxodisulfate** (max. 0.001% N) GR $K_2S_2O_8$ MW 270.33 CERTIFICATE OF GUARANTEE: Assay of $K_2S_2O_8$ min. 99% Chloride (Cl) . . max. 0.001 % Total nitrogen (N) max. 0.001 % Heavy metals (as Pb) . . . max. 0.003 % Iron (Fe) . . . . max. 0.001 % Manganese (Mn) max. 0.0001%	0.8	100 g 250 g	6.30 13.75	
5091	**Potassium peroxodisulfate** GR $K_2S_2O_8$ MW 270.33 CERTIFICATE OF GUARANTEE: Assay (iodometric) . min. 99% Substances insoluble in water . . . max. 0.01 % Chloride (Cl) . . max. 0.005 % Heavy metals (as Pb) . . . max. 0.003 % Iron (Fe) . . . . max. 0.001 % Manganese (Mn) max. 0.0001%	1	[illegible] g 500 g 1 kg	4.75 7.40 12.75	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5090	**Potassium peroxodisulfate** $K_2S_2O_8$ MW 270.33 TYPE ANALYSIS: Assay of $K_2S_2O_8$ (iodometric) . . . . 98% Chloride (Cl) . . . . 0.005 % Heavy metals (as Pb) 0.005 % Iron (Fe) . . . . . 0.002 % Manganese (Mn) . . . 0.0005%	0.8	P P P	1 kg 5 kg 9051/50 kg	6.30 24.25	2.50
	Potassium persulfate see Potassium peroxodisulfate					
5103	*tri*-**Potassium phosphate 7-hydrate** GR $K_3PO_4 \cdot 7\,H_2O$ MW 338.39 CERTIFICATE OF GUARANTEE: Assay of $K_3PO_4 \cdot 7\,H_2O$ min. 98% di-Potassium hydrogen phosphate (K_3HPO_4) max. 0.5 % Free alkali (KOH) max. 0.5 % Substances insoluble in water max. 0.005 % Chloride (Cl) . . max. 0.001 % Sulfate (SO_4) . . max. 0.005 % Total nitrogen (N) max. 0.001 % Heavy metals (as Pb) . . . . max. 0.001 % Iron (Fe) . . . . max. 0.001 % Arsenic (As) . . max. 0.0001% Sodium (Na) . . max. 0.1 %	1		250 g 1 kg	7.50 21.—	
5102	*tri*-**Potassium phosphate 3-hydrate** pure $K_3PO_4 \cdot 3\,H_2O$ MW 266.32 TYPE ANALYSIS: Assay of $K_3PO_4 \cdot 3\,H_2O$ 99% Chloride (Cl) . . . . 0.003 % Total nitrogen (N) . . 0.002 % Heavy metals (as Pb) . 0.002 % Iron (Fe) . . . . . 0.001 % Arsenic (As) 0.0001%	1	P P P P	500 g 1 kg 5 kg 25 kg	6.30 9.50 42.—	6.60
	Potassium phosphate dibasic see *di*-Potassium hydrogen phosphate					
	Potassium phosphate monobasic see Potassium dihydrogen phosphate					
	Potassium phosphate tribasic see *tri*-Potassium phosphate					
	Potassium phthalimide see Phthalimide potassium					
5117	**Potassium pyroantimonate** [potassium hexahydroxoantimonate(V)] GR $K[Sb(OH)_6]$ MW 262.90	0.7	P	100 g 250 g 1 kg	8.25 18.50 62.50	
	Potassium pyrosulfate see Potassium disulfate					
	Potassium pyrosulfite see Potassium disulfite					

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Potassium rhodanide see Potassium thiocyanate				
	Potassium sodium carbonate see Potassium carbonate sodium carbonate				
8087	**Potassium sodium tartrate** GR $C_4H_4KNaO_6 \cdot 4\,H_2O$ MW 282.23 CERTIFICATE OF GUARANTEE: Assay of $C_4H_4KNaO_6 \cdot 4\,H_2O$ . . . . min. 99% pH (5% solution 20°C) . . . . 7–8.5 Chloride (Cl) . . max. 0.0005% Sulfate (SO_4) . max. 0.005 % Phosphate (PO_4) max. 0.001 % Total nitrogen (N) max. 0.002 % Heavy metals (as Pb) . . . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Calcium (Ca) . max. 0.004 % Reducing substances passes test	1.1	500 g 1 kg 5 kg 50 kg	6.30 11.— 47.25	7.35
8089	**Potassium sodium tartrate Optipur®** $C_4H_4KNaO_6 \cdot 4\,H_2O$ MW 282.23	1.1	5 kg 50 kg	prices on application	
8085	**Potassium sodium tartrate** cryst. DAB 6, BPC 1968, NF XII $C_4H_4KNaO_6 \cdot 4\,H_2O$ MW 282.23 TYPE ANALYSIS: Assay of $C_4H_4KNaO_6 \cdot 4\,H_2O$. 99% Chloride (Cl) . . . . 0.002% Sulfate (SO_4) . . . . 0.005% Total nitrogen (N) . . 0.003% Heavy metals (as Pb) . 0.002% Iron (Fe) 0.002%	1.1	1 kg 5 kg 9051 50 kg	8.50 30.50	4.70
3086	**Potassium sodium tartrate** powder DAB 6, BPC 1968, NF XII $C_4H_4KNaO_6 \cdot 4\,H_2O$ MW 282.23 TYPE ANALYSIS: Assay of $C_4H_4KNaO_6 \cdot 4\,H_2O$. 99% Chloride (Cl) . . . . 0.002% Sulfate (SO_4) . . . . 0.005% Total nitrogen (N) . . 0.003% Heavy metals (as Pb) . 0.002% Iron (Fe) 0.002%	1.3	1 kg 5 kg 9051 50 kg	8.50 32.75	5.—
	Potassium sodium tartrate solution see Fehling's reagent				
5118	**Potassium sorbate** $C_6H_7KO_2$ MW 150.22	3	250 g 1 kg 5 kg 50 kg	7.— 18.75 87.50 price on application	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5153	**Potassium sulfate** GR K_2SO_4 MW 174.27 CERTIFICATE OF GUARANTEE: Assay of K_2SO_4 . min. 99% pH (5% solution 20°C) . . . . 6–8 Chloride (Cl) . . max. 0.0005% Phosphate (PO_4) max. 0.001 % Total nitrogen (N) max. 0.0005% Heavy metals (as Pb) max. 0.0005% Iron (Fe) . . . . max. 0.0005% Calcium (Ca) . . max. 0.005 % Sodium (Na) . . max. 0.02 % Magnesium (Mg) max. 0.002 %	0.6	P P P	500 g 1 kg 5 kg	5.50 10.— 42.—	
5150	**Potassium sulfate** cryst. extra pure DAB 6, JP VI, Ph Ned VI K_2SO_4 MW 174.27 TYPE ANALYSIS: Assay of K_2SO_4 . . . 99% Chloride (Cl) . . . . . 0.002% Total nitrogen (N) . . 0.001% Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.001% Calcium (Ca) . . . . 0.005% Loss on ignition (600°C) 1 % Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	0.7	P P P	1 kg 5 kg 9051/50 kg	5.30 18.—	2.90
5151	**Potassium sulfate** powder extra pure DAB 6, JP VI, Ph Ned VI K_2SO_4 MW 174.27 TYPE ANALYSIS: Assay of K_2SO_4 . . . 99% Chloride (Cl) . . . . . 0.002% Total nitrogen (N) . . 0.001% Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.001% Calcium (Ca) . . . . 0.005% Loss on ignition (600°C) 1 %	0.7	P P P	1 kg 5 kg 9051/50 kg	5.50 19.—	3.—
5134	**Potassium sulfide** about 44% granular GR	0.9	P P	250 g 1 kg	8.40 26.25	
	Potassium sulfocyanide see Potassium thiocyanate					
5160	*di*-**Potassium tartrate** cryst. DAB 6 $C_4H_4K_2O_6 \cdot 0.5\,H_2O$ MW 235.28 TYPE ANALYSIS: Assay of $C_4H_4K_2O_6 \cdot 0.5\,H_2O$ 99% Chloride (Cl) . . . . 0.005 % Sulfate (SO_4) . . . . 0.005 % Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.001 % Calcium (Ca) . . . . 0.02 % Ammonium (NH_4) . . 0.001 % Arsenic (As) 0.0002%	1	P P P	500 g 1 kg 5 kg 9051/50 kg	5.80 10.— 40.—	6.30

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5164	**Potassium tellurite** for bacteriology K_2TeO_3 MW 253.80	1	P	[illegible] 100 g	[illegible] 26.50	
4493	**Potassium tetracyanomercurate(II)** 47–48% Hg cryst. $K_2[Hg(CN)_4]$ MW 382.87	0.9	P	100 g 1 kg 5 kg	11.50 95.— 447.—	
			P	25 kg	price on application	
6729	**Potassium tetracyanoniccolate(II)** 22–23% Ni $K_2[Ni(CN)_4]$ MW 240.99 TYPE ANALYSIS: Assay of Ni . . . . . 22% Sulfate (SO_4) . . . . 0.01 % Lead (Pb) . . . . . 0.001% Iron (Fe) 0.005%	1.4	P	250 g 1 kg	13.— 43.—	
	Potassium tetraiodomercurate(II) solution see Thoulet's solution					
5169	**Potassium tetrathionate** for bacteriology $K_2S_4O_6$ MW 302.46 TYPE ANALYSIS: Assay of $K_2S_4O_6$ . . . 99% Free acid (as H_2SO_4) . 0.025% Free alkali (as KOH) . 0.028% Sulfide (S) . . . . . 0.005% Thiosulfate (S_2O_3) . . 0.22 % Lead (Pb) . . . . . 0.005% Copper (Cu) 0.005%	1	P	100 g 500 g 5 kg	[illegible] [illegible] [illegible]	
[illegible]	**Potassium-tetrathionate brilliant-green bile enrichment broth** for microbiology (63 g for 1 litre of culture medium)	1.7		63 g 500 g 10 x 500 g	[illegible] [illegible] [illegible]	
[illegible]	**Potassium-tetrathionate crystal-violet enrichment broth** acc. to Preuss for microbiology (35 g for 1 litre of culture medium)	1.7		35 g 500 g 10 x 500 g	[illegible] [illegible] [illegible]	
[illegible]	**Potassium tetroxalate** GR $C_4H_3KO_8 \cdot 2\,H_2O$ MW 254.20 CERTIFICATE OF GUARANTEE: Assay of $C_4H_3KO_8 \cdot 2\,H_2O$ . . . . 99.5–100.5 % Sulfate (SO_4) . . max. 0.005 % Total nitrogen (N) max. 0.003 % Iron (Fe) . . . . max. 0.0005% Sodium (Na) . . max. 0.01 % Heavy metals (as Pb) . . . . max. 0.001 % Calcium (Ca) . . max. 0.002 %	[illegible]		100 g 500 g	[illegible] [illegible]	
5168	**0.05 M Potassium tetroxalate** buffer solution pH 1.67 1 l = 1.00 kg			500 ml 1 l	6.60 10.75	
	Potassium tetroxoiodate see Potassium *meta*-periodate					

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5125	○	**Potassium thiocyanate** GR KSCN MW 97.18 CERTIFICATE OF GUARANTEE: Assay of KSCN . min. 99% Chloride (Cl) . . max. 0.005 % Sulfate (SO_4) . max. 0.001 % Sulfide (S) . . . max. 0.001 % Heavy metals (as Pb) . . . . max. 0.0005% Iron (Fe) . . . . max. 0.0001% Sodium (Na) . . max. 0.02 % Ammonium (NH_4) max. 0.001 %	1.1	P	250 g 500 g 1 kg 5 kg	7.50 12.— 22.— 100.—	
5124	○	**Potassium thiocyanate** cryst. pure KSCN MW 97.18 TYPE ANALYSIS: Assay of KSCN (argentometric) . . 98.5% Chloride (Cl) . . . . 0.01 % Sulfate (SO_4) . . . . 0.005 % Sulfide (S) . . . . . 0.002 % Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.0005% Ammonium (NH_4) . . 0.005 %	1.1	P □	250 g 1 kg 5 kg 9051/50 kg	5.50 15.— 62.50	7.90
5123	○	**Potassium thiocyanate** technical KSCN MW 97.18 TYPE ANALYSIS: Assay of KSCN (argentometric) . . 97% Sulfate (SO_4) . . . . 0.01 % Heavy metals (as Pb) . 0.002% Iron (Fe) 0.001%	1.2	P □	1 kg 5 kg 9051/50 kg	13.— 55.—	6.60
5395		**Potassium thiocyanate Actidione® sodium azide egg-yolk pyruvate agar** (base) for microbiology (72.4 g for 1 litre of culture medium)	2.1		0073/72.4 g 500 g 10 x 500 g	6.25 30.— 28.	
		Potassium titanium(IV) fluoride see Potassium hexafluorotitanate(IV)					
8892		**Potassium zinc cyanide** 22–23% Zn (zinc-potassium-sodium cyanide) technical TYPE ANALYSIS: Assay of Zn . . . . . 22% Lead (Pb) . . . . . 0.005% Iron (Fe) . . . . . 0.01 %	1.9	P □ ▤	1 kg 5 kg 50 kg	11.50 41.— price on application	
		Potato starch for determination of diastase see Starch					
		PPO see 2,5-Diphenyloxazole					

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
3682	**Prednisolone** (11β,17α,21-trihydroxy-1,4-pregnadiene-3,20-dione) (LAB) $C_{21}H_{28}O_5$ MW 360.45	2.2		1 g 5 g 100 g	7.10 33.— 500.—	
10044	**Prednisolone** (11β,17α,21-trihydroxy-1,4-pregnadiene-3,20-dione) BP 1963, USP XVII $C_{21}H_{28}O_5$ MW 360.45	2.2		100 g 250 g	387.— 950.—	
10680	**Prednisone** (17α,21-dihydroxy-1,4-pregnadiene-3,11,20-trione) (LAB) $C_{21}H_{26}O_5$ MW 358.44			1 g 10 g 100 g	6.80 50.— 445.—	
10039	**Prednisone** (17α,21-dihydroxy-1,4-pregnadiene-3,11,20-trione) BP 1963, USP XVII $C_{21}H_{26}O_5$ MW 358.44	2.8		100 g 250 g	368.— 920.—	
3731	**Pregnadienolone acetate** (3β-acetoxy-5,16-pregnadien-20-one) (LAB) $C_{23}H_{32}O_3$ MW 356.51	2.5		10 g 100 g 1 kg	14.75 116.— 1050.—	
8967	**Pregnanediol** (5β-pregnane-3α,20α_F-diol) for biochemistry (LAB) $C_{21}H_{36}O_2$ MW 320.52	2.5		0.1 g	25.25	
	allo-Pregnanediol see Allopregnanediol					
	5α-Pregnane-3α,20α_F-diol see Allopregnanediol					
	5β-Pregnane-3α,20α_F-diol see Pregnanediol					
3732	**5α-Pregnane-3,20-dione** (LAB) $C_{21}H_{32}O_2$ MW 316.49	4		1 g 10 g 100 g	6.30 40.— 340.—	
3733	**5β-Pregnane-3,20-dione** (LAB) $C_{21}H_{32}O_2$ MW 316.49	3		1 g 10 g	7.40 53.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8968	**Pregnanetriol** (5β-pregnane-3α,17α,20α$_F$-triol) for biochemistry (LAB) $C_{21}H_{36}O_3$ MW 336.52	3	25 mg 0.1 g	14.25 36.75	
	5β-Pregnane-3α,17α,20α$_F$-triol see Pregnanetriol				
8969	**Pregnanetriolone** (3α,17α,20α$_F$-trihydroxy-5β-pregnan-11-one) for biochemistry (LAB) $C_{21}H_{34}O_4$ MW 350.50	3	25 mg	26.25	
	4-Pregnene-3,20-dione see Progesterone				
8970	**Pregnenolone** (3β-hydroxy-5-pregnen-20-one) for biochemistry (LAB) $C_{21}H_{32}O_2$ MW 316.49	2.5	0.1 g	8.—	
3734	**Pregnenolone** (3β-hydroxy-5-pregnen-20-one) (LAB) $C_{21}H_{32}O_2$ MW 316.49	4	10 g 100 g 1 kg	20.— 160.— 1470.—	
8981	**Pregnenolone sulfate potassium salt** (3β-hydroxy-5-pregnen-20-one 3-sulfate potassium salt) for biochemistry (LAB) $C_{21}H_{31}KO_5S$ MW 434.64	3	0.1 g	8.—	
7467	**Procaine hydrochloride** DAB 7, BP 1958, USP XVI $C_{13}H_{21}ClN_2O_2$ MW 272.78 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.5	100 g 1 kg	4.25 25.75	
8972	**Progesterone** (4-pregnene-3,20-dione) for biochemistry (LAB) $C_{21}H_{30}O_2$ MW 314.47	2	0.1 g	8.—	
3735	**Progesterone** (4-pregnene-3,20-dione) DAB 7 $C_{21}H_{30}O_2$ MW 314.47	2.5	10 g 100 g 1 kg	11.50 84.— 710.—	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7434	L(−)**Proline** for biochemistry (LAB) $C_5H_9NO_2$ MW 115.13 TYPE ANALYSIS: Assay (perchloric acid titration; on dried substance) . . 99% Melting-range . . . 220–225° C Specific rotation ($[\alpha]_D^{20°}$; c = 2.5, 1N HCl) −51° to −52.5° Chloride (Cl) . . . . 0.005 % Sulfate (SO_4) . . . . 0.005 % Heavy metals (as Pb) . . . . . 0.001 % Iron (Fe) . . . . . 0.0005% Ammonium (NH_4) . . 0.0005% Sulfated ash . . . . 0.1 % Water (acc. to Karl Fischer) . . . . 1 %	2	P	5 g 25 g 100 g 1 kg	5.25 18.50 63. price on application	
7430	L-**Proline benzylester hydrochloride** for synthesis (LAB) $C_{12}H_{16}ClNO_2$ MW 241.72			5 g	16.50	
7437	**Pronase** bound to CM-cellulose 1.5 U/mg for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.			0.25 g 1 g	50.— 180.—	
7433	**Pronase** E 70 000 PUK units/g for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.			1 g	18.50	
	1,3-Propanediamine see Trimethylenediamine					
7478	**1,2-Propanediol** (1,2-propylene glycol) BP 1968, USP XVII $C_3H_8O_2$ MW 76.10 1 l = 1.03 kg TYPE ANALYSIS: Assay (gas chromatographic) 99% d 20°/4° . . . . . 1.0355–1.0365 d 25°/25° . . . . 1.035–1.037 Refractive index ($n_D^{20°}$) . . . . 1.431–1.433 Boiling-range (95%, 760 mm) . 186–189° C Free acid (as CH_3COOH) . . . 0.012 % Free alkali (as NaOH) 0.008 % Chloride (Cl) . . . . . 0.0035% Sulfate (SO_4) . . . . . 0.002 % Heavy metals (as Pb) . 0.0005% Arsenic (As) . . . . . 0.0001% Peroxide (as H_2O_2) . . 0.0003% Aldehyde (as HCHO) . 0.001 % Water (acc. to Karl Fischer) . . . . 0.2 % Sulfated ash . . . . . 0.007 % Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.		P P	1 l 5 l 60 kg	6.50 25.— price on application	
7481	**1,3-Propanediol** (1,3-propylene glycol) for synthesis (ORG) $C_3H_8O_2$ MW 76.10 1 l = 1.05 kg			250 ml	20.—	

		Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7354	**1,3-Propane sultone** for synthesis (ORG) $C_3H_6O_3S$ MW 122.14			
	250 g		13.25	
7529	**1-Propanethiol** for synthesis (ORG) C_3H_8S MW 76.16	1 l = 0.84 kg		
	250 ml		10.50	
7532	**2-Propanethiol** for synthesis (ORG) C_3H_8S MW 76.16	1 l = 0.82 kg		
	250 ml		9.—	

1,2,3-Propanetricarboxylic acid see Tricarballylic acid

Propanoic anhydride see Propionic anhydride

997 **1-Propanol** (propyl alcohol) GR
$CH_3CH_2CH_2OH$ MW 60.10 — 1 l = 0.80 kg

CERTIFICATE OF GUARANTEE:

Assay	min. 99%	Ketones (as acetone)	max. 0.01 %
Free acid (as C_2H_5COOH)	max. 0.001 %	Readily-carbonisable substances	passes test
Methanol	max. 0.05 %	Water (acc. to Karl Fischer)	max. 0.05 %
Ethanol	max. 0.05 %	Non-volatile substances	max. 0.0005%
2-Propanol	max. 0.05 %		
Aldehydes (as C_2H_5CHO)	max. 0.01 %		

1 l		11.—
2½ l		24.—

996 **1-Propanol** (propyl alcohol)
$CH_3CH_2CH_2OH$ MW 60.10 — 1 l = 0.80 kg

1 l		7.—
2½ l		14.50
45 kg		4.15
5 x 45 kg		3.90

"*iso*-Propanol" see 2-Propanol

9634 **2-Propanol** (*iso*-propyl alcohol) GR
$CH_3CH(OH)CH_3$ MW 60.10 — 1 l = 0.78 kg

CERTIFICATE OF GUARANTEE:

Assay (gas chromatographic)	min. 99.7%	Formaldehyde (HCHO)	max. 0.001 %
Free acid (as C_2H_5COOH)	max. 0.002 %	Aldehydes (as C_2H_5CHO)	max. 0.001 %
Lead (Pb)	max. 0.000001 %	Ketones (as acetone)	max. 0.01 %
Copper (Cu)	max. 0.000001 %	Readily-carbonisable substances	passes test
Nickel (Ni)	max. 0.000005 %	Water	max. 0.1 %
Cobalt (Co)	max. 0.000001 %	Non-volatile substances	max. 0.001 %
Iron (Fe)	max. 0.00001 %		
Zinc (Zn)	max. 0.000001 %		
Cadmium (Cd)	max. 0.0000005%		
Methanol	max. 0.1 %		

1 l			5.50
2½ l			11.—
standard box			
30 x 1 l	1 l		5.20
4 x 30 x 1 l	1 l		5.—
8 x 2½ l	2½ l		10.40
8 x 8 x 2½ l	2½ l		10.—
45 kg			3.75

	Volume	Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
		DM	DM
08 •|• **2-Propanol** (*iso*-propyl-alcohol) for pesticide residue analysis $CH_3CH(OH)CH_3$ MW 60.10	1 l = 0.78 kg	1 l 16.–	
03 •|• **2-Propanol** (*iso*-propyl alcohol) for spectroscopy **Uvasol**® $CH_3CH(OH)CH_3$ MW 60.10 CERTIFICATE OF GUARANTEE: Suitability for UV spectroscopy (1-cm cell; reference : water) Transmittance at 210 nm . . . . . min. 25% 220 nm . . . . . min. 55% 230 nm . . . . . min. 75% 250 nm . . . . . min. 95% 300 nm . . . . . 100% Suitability for IR spectroscopy passes test	1 l = 0.78 kg	500 ml 5.80 1 l 9.50 2½ l 21.—	
02 •|• **2-Propanol** (*iso*-propyl alcohol) **Selectipur**® $CH_3CH(OH)CH_3$ MW 60.10	1 l = 0.78 kg	2½ l 45 kg	prices on application
05 •|• **2-Propanol** (*iso*-propyl alcohol) min. 99% $CH_3CH(OH)CH_3$ MW 60.10	1 l = 0.78 kg	1 l 4.50 2½ l 9.50 standard box 30 x 1 l 1 l 4.25 4 x 30 x 1 l 1 l 4.10 8 x 2½ l 2½ l 9.— 8 x 8 x 2½ l 2½ l 8.75 50 kg	2.90

2-Propanol-d see 0-Deutero-2-propanol

"*iso*-Propanol"-d_8 see Octadeutero-2-propanol

Propargyl alcohol see 2-Propyn-1-ol

Propargyl chloride see 3-Chloro-1-propyne

Propenal see Acrolein

Propenamide see Acrylamide

Propenoic acid see Acrylic acid

P

		Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
3138	***iso*-Propenyl acetate** for synthesis (LAB) $C_5H_8O_2$ MW 100.12 TYPE ANALYSIS: Assay (gas chromatographic) . . . . 97% d 20°/4° . . . . . 0.920–0.930 Boiling-range (95%) 96–100° C Refractive index ($n_D^{20°}$) 1.401–1.403	1 l = 0.92 kg	250 ml 5.25 1 l 14.25	
	2-Propenylamine see Allylamine			
	4-Propenyl anisole see Anethole			
	1-Propenyl cyanide see Crotononitrile			
6167	***iso*-Propenyl methyl ketone** for synthesis (ORG) stabilised with 0.05% hydroquinone C_5H_8O MW 84.12	1 l = 0.93 kg	250 ml 9.50	
	Propinol see Propynol			
7496	**Propionaldehyde** GR C_3H_6O MW 58.08	1 l = 0.82 kg	250 ml 9.50	
605	**Propionic acid** (LAB) $C_3H_6O_2$ MW 74.08 TYPE ANALYSIS: Assay (acidimetric) . 99.5% Non-volatile substances 0.01 % Chloride (Cl) . . . . 0.0005% Heavy metals (as Pb) 0.0005% Iron (Fe) 0.0005%	1 l = 0.99 kg	500 ml 4.25 1 l 7.10 2½ l 14.75 50 kg	4.20
608	**Propionic anhydride** for synthesis (ORG) $C_6H_{10}O_3$ MW 130.14	1 l = 1.01 kg	250 ml 6.30 1 l 16.50	
7068	**Propionitrile** for synthesis (ORG) C_3H_5N MW 55.08	1 l = 0.78 kg	250 ml 12.50	
7063	**Propionyl chloride** for synthesis (ORG) C_3H_5ClO MW 92.53	1 l = 1.07 kg	250 ml 11.25	
7024	**Propiophenone** for synthesis (ORG) $C_9H_{10}O$ MW 134.18	1 l = 1.01 kg	250 ml 12.50	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
		2-(Propoxy)-ethanol see Ethylene glycol monopropyl ether				
		2-(*iso*-Propoxy)-ethanol see Ethylene glycol mono-*iso*-propyl ether				
4810	•!•	**3-*iso*-Propoxypropionitrile** for synthesis (ORG) $C_6H_{11}NO$ MW 113.16	1 l = 0.89 kg			
3183		**Propyl acetate** for synthesis (ORG) $C_5H_{10}O_2$ MW 102.13	1 l = 0.87 kg		16.—	
		iso-Propylacetone see Methyl *iso*-butyl ketone				
		Propyl alcohol see 1-Propanol				
		iso-Propyl alcohol see 2-Propanol				
		Propyl alcohol secondary see 2-Propanol				
[illegible]	•!•	**Propylamine** for synthesis (LAB) C_3H_9N MW 59.11	1 l = 0.72 kg		250 ml 10.50 1 l 34.25	
		iso-Propylamine see 2-Aminopropane				
[illegible]		**4-*iso*-Propylbenzaldehyde** for synthesis (ORG) $C_{10}H_{12}O$ MW 148.21	1 l = 0.98 kg		100 ml 11.50	
[illegible]		**Propylbenzene** for synthesis (ORG) C_9H_{12} MW 120.20	1 l = 0.86 kg		50 ml ?.—	
		Propyl bromide see Bromopropane				
		2-*iso*-Propylbutanol see 2-Ethyl-*iso*-valeraldehyde				
		iso-Propyl chloride see 2-Chloropropane				
[illegible]		**Propylene carbonate** for synthesis (ORG) $C_4H_6O_3$ MW 102.09	1 l = 1.21 kg		1 l 19.—	
		Propylene dichloride see 1,2-Dichloropropane				
		Propylene glycol see Propanediol				

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7482	•|•	**1,2-Propylene glycol 1-monobutyl ether** (1-butoxy-2-propanol) for synthesis (ORG) $C_7H_{16}O_2$ MW 132.20 1 l = 0.89 kg			250 ml	10.—	
7027	•|•	**Propylene oxide** for synthesis (ORG) C_3H_6O MW 58.08 1 l = 0.86 kg			500 ml	6.80	
		iso-Propyl ether see Di-*iso*-propyl ether, page 288					
		0-*iso*-Propylethylene glycol see Ethylene glycol mono-*iso*-propyl ether					
884	•|•	***n*-Propyl formate** for synthesis (ORG) $C_4H_8O_2$ MW 88.11 1 l = 0.90 kg			250 ml	16.25	
		0-Propylglycol see Ethylene glycol monopropyl ether					
7427		**Propyl 4-hydroxybenzoate** DAB 7, BPC 1959, USP XVI $C_{10}H_{12}O_3$ MW 180.21	1.7	P	500 g 1 kg 5 kg	12.— 22.50 91.25	
					50 kg		17.—
7428		**Propyl 4-hydroxybenzoate sodium salt** $C_{10}H_{11}NaO_3$ MW 202.19	2	P	1 kg 5 kg	25.25 104.—	
					50 kg		19.45
		4,4'-*iso*-Propylidenediphenol see Diphenylolpropane					
		Propylidynetris(methanol) see 1,1,1-Tris(hydroxymethyl)-propane					
7505		**1-Propylimidazole** for synthesis (ORG) $C_6H_{10}N_2$ MW 110.16 1 l = 0.97 kg			10 ml	7.50	
		Propyliodide see Iodopropane					
		Propyl mercaptan see Propanethiol					
7050	•|•	**2-Propyn-1-ol** for synthesis (ORG) C_3H_4O MW 56.06 1 l = 0.95 kg			250 ml	13.75	
7424/0001	○	**α-Protease** (ex crotalus atrox) acc. to Pfleiderer lyophilised 8000 Kunitz-units/vial, equiv. to 10 000 Kunitz-units/mg protein, for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.			packing	79.—	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
12/0001	•I•	**Protein sequenation** acc. to Edman and Begg reagent kit: Benzene 2 x 1 l 1-Chlorobutane 2 x 1 l Ethyl acetate 5 x 1 l *n*-Heptafluorobutyric acid 1 x 100 ml Phenyl-*iso*-cyanat about 5% in n-heptane 1 x 100 ml Quadrol-trifluoroacetic acid buffer 1 x 100 ml		kit		625.—	
7440	○	**Proteinase K** (fungal) lyophilised 15 mAnson units/mg for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	4		1 g	35.–	
7429	○	**Proteinase K** (fungal) chromatographically purified lyophilised 20 mAnson units/mg for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	3		0,1 g	30.—	
7439	○	**Proteinase K** (fungal) bound to CM-cellulose 15–20 U/mg for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	4		1 g	150.—	
		Pseudocumidine see 2,4,5-Trimethylaniline					
7330		**Pseudoionone** for synthesis (ORG) $C_{13}H_{20}O$ MW 192.30 1 l = 0.90 kg			100 ml	9.50	
		Pteroylglutamic acid see Folic acid					
1151		**Pumice stone** 0.8–2 mm for elementary analysis			1 kg	10.—	
		Pyoktanin® see Gentian violet					
7064		**Pyrazine** for synthesis (ORG) $C_4H_4N_2$ MW 80.09				8.50	
615		**2-Pyrazinecarboxylic acid** for synthesis (ORG) $C_5H_4N_2O_2$ MW 124.10	2		25 g	18.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
616	**2,3-Pyrazinedicarboxylic acid** for synthesis (ORG) $C_6H_4N_2O_4$ MW 168.11	2		10 g	10.—	
7572	**Pyrazole** for synthesis (ORG) $C_3H_4N_2$ MW 68.08	3		25 g	30.—	
7535	**2,2′-Pyridil** for synthesis (ORG) $C_{12}H_8N_2O_2$ MW 212.21	1.5		100 g	22.—	
9728	**Pyridine** GR C_5H_5N MW 79.10 — 1 l = 0.98 kg CERTIFICATE OF GUARANTEE: Assay (gas chromatographic) . . min. 99.5% Chloride (Cl) . max. 0.0005 % Sulfate (SO_4) . max. 0.0005 % Lead (Pb) . . . max. 0.000001% Copper (Cu) . . max. 0.000005% Iron (Fe) . . . max. 0.00001 % Zinc (Zn) . . . max. 0.000001% Amonia solution (NH_4) . max. 0.001 % 2-Picoline . . . . max. 0.2 % Piperidine . . . max. 0.01 % Substances reducing $KMnO_4$ (as O) . max. 0.0005% Non-volatile substances . . max. 0.002 % Water . . . . . max. 0.1 %			250 ml 500 ml aluminium bottle 1¼ l standard box 8 x 1¼ l 2½ l	8.50 14.50 34. 60.—	
7460	**Pyridine** for spectroscopy **Uvasol** C_5H_5N MW 79.10 — 1 l = 0.98 kg CERTIFICATE OF GUARANTEE: Suitability for UV spectroscopy (1-cm cell; reference : water) Transmittance at 305 nm . . . . . min. 20% 310 nm . . . . . min. 65% 330 nm . . . . . min. 87% 350 nm . . . . . 100% Suitability for IR spectroscopy passes test			500 ml	30.—	
7462	**Pyridine** extra pure Erg B 6 C_5H_5N MW 79.10 — 1 l = 0.98 kg TYPE ANALYSIS: Assay (gas chromatographic) . . . . 99% d 20°/4° . . . . . 0.981–0.983 Refractive index ($n_D^{20°}$) . . . . . 1.508–1.510 Boiling-range (95%) 114–116° C Chloride (Cl) . . . . 0.0005% Copper (Cu) . . . . . 0.0005% Non-volatile substances . . . . 0.01 % Water (acc. to Karl Fischer) . . . 0.25 %			500 ml aluminium bottle 1¼ l standard box 8 x 1¼ l 2½ l 30 kg	11.50 27.50 50.—	17.50
7461	**Pyridine** pure C_5H_5N MW 79.10 — 1 l = 0.98 kg			250 ml aluminium bottle 1¼ l standard box 8 x 1¼ l 2½ l 30 kg	7.— 25.— 45.—	15.75

	Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
Pyridine-d_5 see Pentadeuteropyridine				
Pyridinealdehyde see Pyridinecarbaldehyde				
2-Pyridinecarbaldehyde for synthesis (LAB) C_6H_5NO MW 107.11	1 l = 1.12 kg	25 ml		
3-Pyridinecarbaldehyde for synthesis (ORG) C_6H_5NO MW 107.11	1 l = 1.14 kg	25 ml		
4-Pyridinecarbaldehyde for synthesis (ORG) C_6H_5NO MW 107.11	1 l = 1.14 kg	25 ml	9.25	
2-Pyridinecarbaldehyde oxime for synthesis (ORG) $C_6H_6N_2O$ MW 122.13		25 g	10.—	
4-Pyridinecarbohydrazide see *iso*-Nicotinic acid hydrazide				
2-Pyridinecarbonitrile for synthesis (ORG) $C_6H_4N_2$ MW 104.11		25 g	12.50	
3-Pyridinecarbonitrile for synthesis (ORG) $C_6H_4N_2$ MW 104.11		100 g	15.75	
4-Pyridinecarbonitrile for synthesis (ORG) $C_6H_4N_2$ MW 104.11		100 g	13.75	
2-Pyridinecarboxylic acid for synthesis (ORG) $C_6H_5NO_2$ MW 123.11		100 g	17.50	
3-Pyridine carboxylic acid see Nicotinic acid				
4-Pyridinecarboxylic acid for synthesis (ORG) $C_6H_5NO_2$ MW 123.11	1.4	100 g	11.—	
3-Pyridinecarboxylic acid diethylamide see Nikethamide				
2,3-Pyridinedicarboxylic acid see Quinolinic acid				
Pyridine 1-oxide for synthesis (ORG) C_5H_5NO MW 95.10		100 g		

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	3-Pyridinepropanol see 3-(3-Pyridyl)-propanol					
	Pyridine-sulfur dioxide solution see Karl Fischer's solution					
[illegible]	**2-Pyridinethiol** for synthesis (ORG) C_5H_5NS MW 111.17	1		10 g	8.75	
7035	**2-Pyridinol** for synthesis (ORG) C_5H_5NO MW 95.10			100 g	23.25	
7036	**3-Pyridinol** for synthesis (ORG) C_5H_5NO MW 95.10			50 g	22.—	
	Pyridone see Pyridinol					
7523	**Pyridoxal hydrochloride** for biochemistry (LAB) $C_8H_{10}ClNO_3$ MW 203.63			5 g	11.—	
500764	**Pyridoxal hydrochloride** $C_8H_{10}ClNO_3$ MW 203.63	1.9		25 g 100 g 1 kg	prices on application	
7526	**Pyridoxal 5′-phosphate** for biochemistry (LAB) $C_8H_{10}NO_6P \cdot H_2O$ MW 265.16	2.1		5 g	29.—	
501252	**Pyridoxal 5′-phosphate** $C_8H_{10}NO_6P \cdot H_2O$ MW 265.16 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2.1		25 g 100 g 500 g 1 kg	prices on application	
7525	**Pyridoxal 5′-phosphate monosodium salt** for biochemistry (LAB) $C_8H_9NNaO_6P \cdot x\ H_2O$ MW 269.13 (anhydrous)	2.1		5 g	29.—	
501261	**Pyridoxal 5′-phosphate monosodium salt** $C_8H_9NNaO_6P \cdot x\ H_2O$ MW 269.13 (anhydrous) Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2.1		25 g 100 g	prices on application	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
[illegible]	**Pyridoxamine-5′-phosphoric acid hydrochloride** for biochemistry (LAB) $C_8H_{14}ClN_2O_5P$ MW 284.64		1 g	16.-	
524	**Pyridoxaminium dichloride** for biochemistry (LAB) $C_8H_{14}Cl_2N_2O_2$ MW 241.12		5 g	18.50	
1251	**Pyridoxaminium dichloride** $C_8H_{14}Cl_2N_2O_2$ MW 241.12	2.1	100 g 1 kg	prices on application	
	Pyridoxine see Pyridoxol				
1260	**Pyridoxol** (pyridoxine, vitamin B_6 base) $C_8H_{11}NO_3$ MW 169.18	1.75	100 g 1 kg	prices on application	
[illegible]	**Pyridoxol hydrochloride** (vitamin B_6 hydrochloride) for biochemistry (LAB) $C_8H_{12}ClNO_3$ MW 205.64 TYPE ANALYSIS: Assay . . . . . 99% Melting-range (decomposition) 206–211°C Heavy metals (as Pb) . . . . 0.003% Iron (Fe) . . . . . 0.002% Ammonium (NH_4) . . . 0.004% Loss on drying (105°C) 0.2 % Sulfated ash . . . . . 0.05 %	1.2	[illegible]	[illegible]	
224	**Pyridoxol hydrochloride** (pyridoxine hydrochloride, vitamin B_6 hydrochloride) DAB 7, BP 1963, Cod Franç 1965, IP 1966, USP XVII $C_8H_{12}ClNO_3$ MW 205.64 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.2	100 g 500 g 1 kg 5 kg 25 kg	prices on application	
0762	**Pyridoxol hydrochloride** (pyridoxine hydrochloride, vitamin B_6 hydrochloride) DAB 7, BP 1963, Cod Franç 1965, USP XVII fine powder $C_8H_{12}ClNO_3$ MW 205.64	2.1	1 kg 5 kg 25 kg		
270	**Pyridoxol hydrochloride concentrate** about 33%, for dry pharmaceutical preparations, spray-dried		1 kg 5 kg		

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
500222		**Pyridoxol phosphate** (pyridoxine phosphate, vitamin B_6 phosphate) $C_8H_{14}NO_7P \cdot H_2O$ MW 285.19	1.5	100 g 1 kg		
501266		**Pyridoxol sulfate** (pyridoxine sulfate, vitamin B_6 sulfate) $C_{16}H_{24}N_2O_{10}S$ MW 436.44		100 g 1 kg	prices on application	
501259		**Pyridoxol trispalmitate** (pyridoxine trispalmitate) $C_{56}H_{101}NO_6$ MW 884.43	5	10 g 100 g 1 kg		
733	†	**3-Pyridylacetic acid** for synthesis (ORG) $C_7H_7NO_2$ MW 137.14		25 g	24.75	
669		**3-(3-Pyridyl)-acrylic acid** for synthesis (ORG) $C_8H_7NO_2$ MW 149.15		25 g	14.75	
		Pyridylamine see Aminopyridine				
7531		**1-(2-Pyridylazo)-2-naphthol** (PAN) metal (pM) indicator $C_{15}H_{10}N_3NaO$ MW 271.26	3.5	1 g 5 g	5.— 15.25	
7533		**4-(2-Pyridylazo)-resorcinol monosodium salt** metal (pM) indicator $C_{11}H_8N_3NaO_2 \cdot H_2O$ MW 255.21	3	1 g 5 g	5.25 16.75	
		Pyridyl cyanide see Pyridinecarbonitrile				
182		**2-(2-Pyridyl)-ethanol** for synthesis (ORG) C_7H_9NO MW 123.16 1 l = 1.09 kg		100 ml	11.50	
		4-Pyridylethylene see 4-Vinylpyridine				

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	2-Pyridyl mercaptan see 2-Pyridinethiol					
7029	**2-Pyridylmethanol** for synthesis (ORG) C_6H_7NO MW 109.13 1 l = 1.13 kg			25 ml	13.25	
7030	**3-Pyridylmethanol** for synthesis (ORG) C_6H_7NO MW 109.13 1 l = 1.13 kg			25 ml	9.50	
	Pyridylmethylamine see Picolylamine					
7087	**2-(2-Pyridyl)-1,3-propanediol** for synthesis (ORG) $C_8H_{11}NO_2$ MW 153.18	1.5		100 g	20.—	
7021	**3-(2-Pyridyl)-1-propanol** for synthesis (ORG) $C_8H_{11}NO$ MW 137.18 1 l = 1.06 kg			100 ml	20.—	
7022	**3-(3-Pyridyl)-1-propanol** for synthesis (ORG) $C_8H_{11}NO$ MW 137.18 1 l = 1.06 kg			100 ml	26.25	
	3-(4-Pyridyl)-1-propanol for synthesis (ORG) $C_8H_{11}NO$ MW 137.18 1 l = 1.05 kg			100 ml	20.—	
	3-(3-Pyridyl)-propenoic acid see 3-(3-Pyridyl)-acrylic acid					
	2,4(1*H*,3*H*)-Pyrimidinedione see Uracil					
	2-Pyrimidinylamine see 2-Aminopyrimidine					
	Pyroarsenic acid see *di*-Arsenic pentoxide hydrate					
1915	**Pyrocatechol** GR $C_6H_6O_2$ MW 110.11 CERTIFICATE OF GUARANTEE: Assay . . . . . min. 99% Sulfated ash . . . max. 0.05% Melting-point . . . 103–105° C	2		25 g 100 g	— —	
1915	**Pyrocatechol** cryst. m. pt. about 103° C $C_6H_6O_2$ MW 110.11	2		250 g 1 kg 5 kg 50 kg	9.50 30.— 137.—	23.75

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
3568	**Pyrocatechol diethyl ether** for synthesis (ORG) $C_{10}H_{14}O_2$ MW 166.22		250 g	9.50	
	Pyrocatechol dimethyl ether see Veratrole				
1922	**3,5-Pyrocatecholdisulfonic acid disodium salt** GR and metal (pM) indicator $C_6H_4Na_2O_8S_2 \cdot H_2O$ MW 332.22	1.2	10 g 100 g	5.— 26.25	
1917	**Pyrocatechol monoethyl ether** for synthesis (ORG) $C_8H_{10}O_2$ MW 138.17 1 l = 1.10 kg		250 ml	10.50	
	Pyrocatechol monomethyl ether see Guaiacol				
1919	**Pyrocatechol violet** metal (pM) indicator $C_{19}H_{14}O_7S$ MW 386.38	2.5	1 g 5 g	4.25 10.75	
	Pyrocatechylphosphorus trichloride see 1,2-Phenylenedioxytrichlorophosphorane				
	Pyrogallic acid see Pyrogallol				
612	**Pyrogallol** (1,2,3-trihydroxybenzene) GR $C_6H_6O_3$ MW 126.11 CERTIFICATE OF GUARANTEE: Assay . . . . . min. 99.5% Melting-point . . . 130–133° C Free acid (as gallic acid) max. 0.02 % Chloride (Cl) . . max. 0.001% Sulfate (SO_4) . . max. 0.002% Sulfated ash . . . max. 0.02 %	1.5	25 g 100 g 250 g	5.50 15.50 36.—	
611	**Pyrogallol** (1,2,3-trihydroxybenzene) cryst. DAB 6 $C_6H_6O_3$ MW 126.11	1.5	100 g 250 g 1 kg 5 kg 25 kg	9.50 20.50 70.— 325.—	58.—
7534	**Pyrogallol red** metal (pM) indicator	1.8	1 g	5.25	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
		Pyrolusite see Manganese(IV) oxide					
7516		**Pyromellitic dianhydride** GR $C_{10}H_2O_6$ MW 218.12			100 g	10.25	
7517		**Pyronin G**[E] [3,6-bis(dimethylamino)-xanthylium chloride] (C. I. No. 45 005, S. No. 853) for microscopy	1.3		5 g 25 g	4.75 16.25	
7494	•|•	**Pyrrolidine** for synthesis (LAB) C_4H_9N MW 71.12 1 l = 0.87 kg			250 ml	13.75	
		2-Pyrrolidinecarboxylic acid see L(−)Proline					
7495		**1-Pyrrolidinedithiocarboxylic acid ammonium salt** GR $C_5H_{12}N_2S_2$ MW 164.29	3		10 g	7.50	
7497		**1-Pyrrolidinedithiocarboxylic acid sodium salt** (dihydrate) GR $C_5H_8NNaS_2 \cdot 2\,H_2O$ MW 205.27 CERTIFICATE OF GUARANTEE: Assay (perchloric acid titration; on dried substance) . . . min. 99% Heavy metals (as Pb) . . . . max. 0.001% Iron (Fe) . . . . max. 0.001% Loss on drying (105° C) 17–18%	1.9		10 g 50 g	7.50 28.50	
		Pyrrolidino[1,2 : a]1,4,5,6-tetrahydropyrimidine see 1,5-Diazabicyclo[4,3,0]non-5-ene					
7041		**2-Pyrrolidone** for synthesis (ORG) C_4H_7NO MW 85.11 1 l = 1.12 kg			250 ml	12.75	
		1 H-Pyrrolo[2,3 : b]pyridine see 7-Azaindole					
6619		**Pyruvic acid sodium salt** for biochemistry (LAB) $CH_3COCOONa$ MW 110.05 TYPE ANALYSIS: Assay (perchloric acid titration; on anhydrous substance) 99% Chloride (Cl) . . . . 0.003% Sulfate (SO_4) . . . . 0.01 % Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.001% Water (acc. to Karl Fischer) . . . . 2 %	4		25 g 100 g 250 g	6.— 18.— 42.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Quadratic acid see 1,2-Dihydroxy-3,4-cyclobutenedione				
7514	**Quadrol-trifluoroacetic acid buffer** for protein sequenation acc. to Edman and Begg ready-for-use solution in *n*-propanol-water (3:4) 1 l = 1.00 kg		100 ml	150.—	
7536	**Quartz** fine granular washed and calcined GR CERTIFICATE OF GUARANTEE: Substances soluble in hydrochloric acid max. 0.05% Loss on ignition . max. 0.05% Chloride (Cl) . . max. 0.01% Granulation . about 0.1–0.5 mm	0.8	P 250 g 1 kg	7.10 22.50	
2923	**Quat® 316** (*N*-dodecyl-*N*-ethyl-*N*,*N*-dimethyl-ammonium bromide) $C_{16}H_{36}BrN$ MW 322.38	3.5	P 50 g 1001/1 kg	5.25 53.—	
	Quebrachinium chloride see Yohimbinium chloride				
7546	**Quercetin** cryst. for chromatography $C_{15}H_{10}O_7 \cdot 2\,H_2O$ MW 338.27	4.5	10 g	6.10	
	Quicklime see Calcium oxide				
	Quicksilver see Mercury				
216	**Quinaldic acid** GR (reagent for cadmium, copper, iron, uranium and zinc) $C_{10}H_7NO_2$ MW 173.17 CERTIFICATE OF GUARANTEE: Assay . . . . . min. 99.5% Melting-point . . . 154–156° C Sulfated ash . . . max. 0.1% Suitability for determination of metals . . . . passes test	1.9	5 g	10.—	
5805	**Quinaldine** for synthesis (ORG) $C_{10}H_9N$ MW 143.19 1 l = 1.06 kg		100 ml	14.25	
2282	**Quinaldine red** indicator $C_{21}H_{23}IN_2$ MW 430.34	1.5	1 g 5 g	3.50 9.50	
	Quinaldinic acid see Quinaldic acid				
	Quinalizarin see 1,2,5,8-Tetrahydroxyanthraquinone				

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Quinhydrone GR $C_6H_4O_2 \cdot C_6H_6O_2$ MW 218.21 CERTIFICATE OF GUARANTEE: *p*-Benzoquinone . 48–52%; Hydroquinone . . 48–52%; Substances insoluble in ethanol . . max. 0.02 %; Melting-point . . 167–169° C; Sulfate (SO_4) . . max. 0.01 %; Iron (Fe) . . . . . max. 0.001%; Sulfated ash . . max. 0.1 %	2.5		100 g 500 g	9.25 35.75	
218	**Quinic acid** for resolution of racemates (LAB) $C_7H_{12}O_6$ MW 192.16	1.5		25 g		
2285	**Quinidinium sulfate** DAB 7, BP 1963, Ph Internat II, USP XVII $C_{40}H_{50}N_4O_8S \cdot 2\,H_2O$ MW 782.96	3.6	P	10 g 25 g 100 g	7.50 16.50 55.—	
	Quinine for resolution of racemates (LAB) $C_{20}H_{24}N_2O_2$ MW 324.43	2.2	P	25 g		
	Quinine bismuth iodide see Bismuth quinine iodide					
	Quinol see Hydroquinone					
407	**Quinoline** C_9H_7N MW 129.16 1 l = 1.09 kg TYPE ANALYSIS: Assay (perchloric acid titration) . . . . . 99%; d 20°/4° . . . . . 1.093; Boiling-range (95%) 235–237° C; Sulfated ash 0.01%			250 ml 1 l	6.80 21.—	
	2-Quinolinecarboxylic acid see Quinaldic acid					
249	**Quinoline yellow** (C. I. No. 47 005, S. No. 918) food dye E 104	2		100 g	15.—	
	Quinolinic acid for synthesis (ORG) $C_7H_5NO_4$ MW 167.12	2		100 g	12.75	
	p-Quinone see *p*-Benzoquinone					
	3-Quinuclidinol for synthesis (ORG) $C_7H_{13}NO$ MW 127.19	1.5		5 g	25.25	
	3-Quinuclidinone hydrochloride see 3-Oxoquinuclidinium chloride					

		Volume			Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
					DM	DM
7548	**Raffinose** (pentahydrate) (melitose) for biochemistry (LAB) $C_{18}H_{32}O_{16} \cdot 5\,H_2O$ MW 594.52	1.4	P	10 g	7.50	
7549	**Raffinose** (pentahydrate) (melitose) for bacteriology $C_{18}H_{32}O_{16} \cdot 5\,H_2O$ MW 594.52	1.4	P	25 g 100 g	10.50 33.75	
	Raney Cobalt see Cobalt aluminium alloy					
	Raney Nickel see Nickel aluminium alloy					
	Raubasine see Ajmalicine					
7541	**Rauwolfia serpentina total alkaloid** adjusted to a content of 25% reserpine	2.5	P	10 g	27.50	
	Reagent for detection of textile fibres see Neocarmine TA					
	Reference substances for chromatography see Alkaloids and Glycosides Amino acids Sugars and sugar alcohols Vitamins					
3740	**Reichstein's substance "S"** (17α,21-dihydroxy-4-pregnene-3,20-dione) (LAB) $C_{21}H_{30}O_4$ MW 346.47	2.5		10 g 100 g	31.50 263.—	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7552	**Reinecke salt** GR $NH_4[Cr(NH_3)_2(SCN)_4] \cdot H_2O$ MW 354.44 CERTIFICATE OF GUARANTEE: Assay (argentometric) min. 96% Substances insoluble in water (75°C) . max. 0.005% Water (acc. to Karl Fischer) . . max. 1.5%	1.7		10 g 25 g	— 15.–	
9746	**Reoplex 400**® for gas chromatography			[illegible] g	16.75	
7577	**Repellent 790** (DBP 1 055 283) 1 l = 0.86 kg			1 l 2½ l 25 kg	42.— 95.—	39.50
7551	**Reserpine** cryst. DAB 7, BP 1968, JP VII, NND 1964, USP XVII $C_{33}H_{40}N_2O_9$ MW 608.70 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2.5		1 g 10 g 100 g	3.50 23.75 194.—	
	Resin-based ion-exchangers see Ion-exchangers					
[illegible]	**Resorcinol** GR $C_6H_6O_2$ MW 110.11 CERTIFICATE OF GUARANTEE: Assay (bromometric) . min. 99% Melting-point . . . 110–111° C Free acid . . . . passes test Diresorcinol and Phenol . . . passes test Sulfated ash . . . max. 0.02%	4		100 g 250 g	6.30 13.50	
7590	**Resorcinol** recryst. extra pure DAB 7, BP 1953, Ph Ned VI, USP XVI $C_6H_6O_2$ MW 110.11	2.2		100 g 250 g 1 kg 5 kg 50 kg	5.— 8.— 25.— 110.— price on application	
[illegible]	**Resorcinol dimethyl ether** (1,3-dimethoxybenzene) for synthesis (ORG) $C_8H_{10}O_2$ MW 138.17 1 l = 0.99 kg			100 ml	9.50	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Resorcinolphthalein see Fluorescein					
	α-Resorcylic acid see 3,5-Dihydroxybenzoic acid					
	β-Resorcylic acid see 2,4-Dihydroxybenzoic acid					
	γ-Resorcylic acid see 2,6-Dihydroxybenzoic acid					
	Retinol see Vitamin A					
4737	L(+)**Rhamnose** (monohydrate) for biochemistry (LAB) $C_6H_{12}O_5 \cdot H_2O$ MW 182.17		P	5 g	16.—	
4736	L(+)**Rhamnose** (monohydrate) for bacteriology $C_6H_{12}O_5 \cdot H_2O$ MW 182.17	1.4	P	5 g 25 g 100 g	12.50 57.50 200.—	
	see also Carbohydrate test leaflets					
	Rhenohistol® see Canada balsam synthetic					
7599	**Rhodamine B** (C. I. No. 45 170, S. No. 864) GR and for microscopy $C_{28}H_{31}ClN_2O_3$ MW 479.02 CERTIFICATE OF GUARANTEE: Solubility . . . . passes test Sensitivity as a microreagent . . passes test Residue on ignition (as sulfates) . . . < 0.25%	3.5		25 g 100 g	3.75 8.50	
7598/0001	**Rhodamine B** spray reagent 0.25% for chromatography			spray-can (cont. about 260 ml)	6.30	
7597/0001	**Rhodamine B** spray reagent 0.025% for chromatography			spray-can (cont. about 260 ml)	6.30	
7600	**Rhodamine 6 G** (C. I. No. 45 160) for microscopy $C_{28}H_{31}ClN_2O_3$ MW 479.02			25 g	5.50	
7632	**Rhodium(III) chloride 3-hydrate** for synthesis (LAB) $RhCl_3 \cdot 3\,H_2O$ MW 263.31	2		1 g	40.—	

	Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
Rhodizonic acid sodium salt GR (for determination of sulfuric acid) $C_6Na_2O_6$ MW 214.04 CERTIFICATE OF GUARANTEE: Suitability for detection of barium . . . passes test Suitability as indicator for sulfate titration . . . . passes test	2	1 g 5 g	5.– 15.–	
Rhubarb extract see Extract of rhubarb				
Ribitol see Adonitol				
Riboflavine for biochemistry (LAB) $C_{17}H_{20}N_4O_6$ MW 376.37 TYPE ANALYSIS: Assay . . . . . 98% Melting-point (decomposition) about 280° C Lumiflavine . . . passes test Loss on drying (105°C) . 1.5% Sulfated ash 0.3%	4	10 g	4.75	
257 **Riboflavine** DAB 7, BP 1968, Cod Franç 1949 1er Suppl, JP VI, Ph Internat I, Ph Ned VI, USP XVII $C_{17}H_{20}N_4O_6$ MW 376.37	6	100 g 1 kg 5 kg 25 kg	prices on application	
69 **Riboflavine** min. 96% feed grade $C_{17}H_{20}N_4O_6$ MW 376.37	4.5	1001/1 kg 5001/5 kg 25 kg		
Riboflavine 5'-phosphate sodium salt for biochemistry (LAB) $C_{17}H_{20}N_4NaO_9P \cdot x\ H_2O$ MW 478.33 (anhydrous)	2.5	10 g	14.25	
159 **Riboflavine 5'-phosphate sodium salt** $C_{17}H_{20}N_4NaO_9P \cdot x\ H_2O$ MW 478.33 (anhydrous) Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2.5	100 g 500 g 1 kg	prices on application	
Ribonuclease bound to cross-linked maleic anhydride 0.3–0.5 U/mg for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	3	0.1 g 1 g	65. 550.–	
603 ○ **Ribonuclease** (pancreatic) bound to CM cellulose 0.5 U/mg for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.		0.1 g 1 g	65. 550.	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7602	◡	**Ribonuclease** (pancreatic) cryst. lyophilised 20 U/mg for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.			0.1 g 1 g	23.75 172.—	
24018	○	**Ribonucleic acid** (from baker's yeast) for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.			0.1 g	27.50	
24010		**Ribonucleic acid core** lyophilised for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.			0.5 g	40.—	
7605		D(−)**Ribose** for biochemistry (LAB) $C_5H_{10}O_5$ MW 150.13	1.8	P	5 g 50 g	6.30 42.—	
7607		D-**Ribose-5-phosphoric acid, barium salt** for biochemistry (LAB) $C_5H_9BaO_8P$ MW 365.44			0.5 g	18.	
		Rigisolve® see 2,2-Dimethylbutane/*n*-pentane					
4491	◂▸	**Rohrbach's solution** [barium mercury(II) iodide solution] (d 20°/4° 3.48–3.49) for separation of minerals 1 l = 3.48 kg			25 ml	31.—	
629		**Rubeanic acid** (dithiooxamide) GR $C_2H_4N_2S_2$ MW 120.20 CERTIFICATE OF GUARANTEE: Assay (ex N) . . . min. 98% Sulfated ash . . . max. 0.25% Suitability for determination of copper . . . passes test	1.7	P	5 g 25 g 100 g	4.— 12.50 40.—	
		Rubean-hydrogen see Rubeanic acid					

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Rubidium bromide Suprapur® RbBr MW 165.38	0.8	P	10 g 100 g	15.75 116.	

CERTIFICATE OF GUARANTEE:

The substance is suitable for density gradient centrifugation $\left[E \frac{50\ \%}{1\ cm} \right]$

260 nm max. 0.02

Lead (Pb)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Copper (Cu)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Nickel (Ni)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Cobalt (Co)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Iron (Fe)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Zinc (Zn)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Aluminium (Al)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Manganese (Mn)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Thallium (Tl)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Magnesium (Mg)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Calcium (Ca)	max. $1 \cdot 10^{-5}$ % (0.1 ppm)
Strontium (Sr)	max. $3 \cdot 10^{-4}$ % (3 ppm)
Barium (Ba)	max. $3 \cdot 10^{-4}$ % (3 ppm)
Lithium (Li)	max. $2 \cdot 10^{-5}$ % (0.2 ppm)
Sodium (Na)	max. $5 \cdot 10^{-4}$ % (5 ppm)
Potassium (K)	max. $5 \cdot 10^{-2}$ % (500 ppm)
Cesium (Cs)	max. $5 \cdot 10^{-3}$ % (50 ppm)

612	**Rubidium carbonate** Rb_2CO_3 MW 230.95	0.8	P	10 g	10.50	

TYPE ANALYSIS:

Assay	99%	Zinc (Zn)	0.0003 %
Chloride (Cl)	0.002 %	Aluminium (Al)	0.001 %
Sulfate (SO_4)	0.01 %	Magnesium (Mg)	0.0005 %
Total nitrogen (N)	0.003 %	Lithium (Li)	0.00004%
Lead (Pb)	0.0003 %	Sodium (Na)	0.02 %
Copper (Cu)	0.0003 %	Potassium (K)	0.2 %
Iron (Fe)	0.0003 %	Cesium (Cs)	0.02 %

	Rubidium chloride Suprapur® RbCl MW 120.92	0.6	P	10 g 100 g	15.75 116.—	

CERTIFICATE OF GUARANTEE:

The substance is suitable for density gradient centrifugation $\left[E \frac{50\ \%}{1\ cm} \right]$

260 nm max. 0.02

Lead (Pb)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Copper (Cu)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Nickel (Ni)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Cobalt (Co)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Iron (Fe)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Zinc (Zn)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Aluminium (Al)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Manganese (Mn)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Thallium (Tl)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Magnesium (Mg)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Calcium (Ca)	max. $5 \cdot 10^{-5}$ % (0.5 ppm)
Strontium (Sr)	max. $2 \cdot 10^{-4}$ % (2 ppm)
Barium (Ba)	max. $3 \cdot 10^{-4}$ % (3 ppm)
Lithium (Li)	max. $4 \cdot 10^{-5}$ % (0.4 ppm)
Sodium (Na)	max. $5 \cdot 10^{-4}$ % (5 ppm)
Potassium (K)	max. $5 \cdot 10^{-2}$ % (500 ppm)
Cesium (Cs)	max. $5 \cdot 10^{-3}$ % (50 ppm)

Other Rubidium compounds on request

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7615	**Rubidium chloride** GR RbCl MW 120.92 CERTIFICATE OF GUARANTEE: Assay (RbCl) . . min. 99.5% Sulfate (SO_4) . . max. 0.005 % Total nitrogen (N) . . . . . max. 0.003 % Lead (Pb) . . . . max. 0.0003% Copper (Cu) . . max. 0.0003% Iron (Fe) . . . . max. 0.0003% Zinc (Zn) . . . . max. 0.0003% Aluminium (Al) . max. 0.001 % Magnesium (Mg) max. 0.0005% Lithium (Li) . . . max. 0.0001% Sodium (Na) . . max. 0.01 % Potassium (K) . . max. 0.05 % Cesium (Cs) . . max. 0.01 %	0.75	P	5 g 25 g	6.30 25.25	
7613	**Rubidium chloride** cryst. RbCl MW 120.92	0.8	P	10 g	9.—	
7617	**Rubidium chromate Selectipur**® Rb_2CrO_4 MW 286.93	0.8	P	250 g 1 kg	prices on application	
7616	**Rubidium fluoride Selectipur**® RbF MW 104.47	1	P	100 g	price on application	
7619	**Rubidium iodide Suprapur**® RbI MW 212.37 CERTIFICATE OF GUARANTEE: Lead (Pb) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Copper (Cu) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Cobalt (Co) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Nickel (Ni) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Zinc (Zn) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Iron (Fe) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Aluminium (Al) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Manganese (Mn) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Barium (Ba) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Strontium (Sr) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Calcium (Ca) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Magnesium (Mg) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Lithium (Li) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Sodium (Na) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Potassium (K) . . . . . max. $5 \cdot 10^{-2}$ % (500 ppm) Cesium (Cs) . . . . . max. $5 \cdot 10^{-3}$ % (50 ppm)	1	P	10 g 100 g	15.75 116.—	
7614	**Rubidium iodide** cryst. Erg B 6 RbI MW 212.37	0.7		10 g	8.25	

Other Rubidium compounds on request

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
618	**Rubidium nitrate** $RbNO_3$ MW 147.47 TYPE ANALYSIS: Assay . . . . . 99% Chloride (Cl) . . . 0.002 % Sulfate (SO_4) . . . 0.01 % Total nitrogen (N) . 0.003 % Lead (Pb) . . . . . 0.0003 % Copper (Cu) . . . . 0.0003 % Iron (Fe) . . . . . 0.0003 % Zinc (Zn) . . . . . 0.0003 % Aluminium (Al) . . . 0.001 % Calcium (Ca) . . . 0.005 % Magnesium (Mg) . . 0.0005 % Lithium (Li) . . . . 0.00004% Sodium (Na) . . . . 0.01 % Potassium (K) . . . 0.1 % Cesium (Cs) . . . . 0.05 %	0.9	P	10 g	10.—	
	Other Rubidium compounds on request					
	Rubin S see Fuchsin acid					
631	**Rutin** for biochemistry (LAB) $C_{27}H_{30}O_{16} \cdot 3\,H_2O$ MW 664.58 TYPE ANALYSIS: Assay (on anhydrous substance) . . . . . 99.5% Quercetine (on anhydrous substance) . . . . . 0.2 % Loss on drying (130° C) . . . . . 6 % Sulfated ash 0.05%	1.3		25 g	9.25	
017	**Rutin** cryst. extra pure DAB 7 $C_{27}H_{30}O_{16} \cdot 3\,H_2O$ MW 664.58	1.3		100 g 1 kg 5 kg 25 kg	prices on application	
013	**Rutin** NF XI $C_{27}H_{30}O_{16} \cdot 3\,H_2O$ MW 664.58	1.8		1 kg 5 kg 25 kg	prices on application	
014	**Rutin** water-soluble (rutin sulfate sodium salt) Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.6	P	100 g 1 kg 5 kg 25 kg	prices on application	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5438	**Sabouraud glucose agar** for mycology (65 g for 1 litre of culture medium)	2.1	65 g 500 g 10 x 500 g	5.25 25.— 22.50	
5439	**Sabouraud maltose agar** for mycology (65 g for 1 litre of culture medium)	2.1	65 g 500 g 10 x 500 g	5.50 27.50 26.50	
7684	**Saccharase** (invertase, β-fructosidase) lyophilised 200 U/mg for biochemistry (LAB) This item has to be stored in a refrigerator. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.		1 g	25.25	
7685 ○	**Saccharase** (invertase, β-fructosidase) **solution in glycerol** 2750 U/ml for biochemistry (LAB) 1 l = 1.15 kg This item has to be stored in a refrigerator. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.		250 ml 1 l	10.50 34.25	
	Saccharose see Sucrose				
1382	**Safranin** (C. I. No. 50 240, S. No. 967) for microscopy	2.5	25 g 100 g	4.50 10.—	
	Safranin solution see Sternheimer-Malbin's solution				
7675	**Safrole** for synthesis (ORG) $C_{10}H_{10}O_2$ MW 162.19 1 l = 1.11 kg		250 ml	8.—	
4811	*iso*-**Safrole** for synthesis (ORG) $C_{10}H_{10}O_2$ MW 162.19 1 l = 1.12 kg		250 ml	10.50	
7665	**Salicin** (2-[hydroxymethyl]-phenyl-β-D-glucoside) for bacteriology $C_{13}H_{18}O_7$ MW 286.28	1.9	5 g 25 g	9.— 37.—	
	see also Carbohydrate test leaflets				

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
642 •I• *	**Salicylaldehyde** for detection of fusel oil and rancidity of ketones $C_7H_6O_2$ MW 122.12 1 l = 1.16 kg CERTIFICATE OF GUARANTEE: d 20°/4° . . . . . 1.164–1.166 Refractive index ($n_D^{20°}$) . . . . 1.5725–1.5735 Boiling-range . . . 195–198° C Free salicylic acid passes test			25 ml 100 ml	6.— 15.—	
640 •I• *	**Salicylaldehyde** for synthesis (LAB) $C_7H_6O_2$ MW 122.12 1 l = 1.16 kg TYPE ANALYSIS: d 20°/4° . . . . . 1.162–1.166 Refractive index ($n_D^{20°}$) . . . . . 1.571–1.574 Boiling-range . . . 193–198° C			100 ml 1 l	7.50 52.—	
7664	**Salicylaldoxime** GR (reagent for copper and palladium) $C_7H_7NO_2$ MW 137.14 CERTIFICATE OF GUARANTEE: Assay (ex N) . . . min. 98% Melting-point . . . 58–60° C Sulfated ash . . . max. 0.05% Suitability for determination of metals . . . passes test	1.4	P	25 g 100 g	10.— 32.—	
7671	**Salicylamide** extra pure NF XII $C_7H_7NO_2$ MW 137.14	1.8	P	250 g 1 kg 5 kg 50 kg	4.50 12.75 53.—	9.20
631	**Salicylic acid** precipitated extra pure DAB 7, BP 1958, Cod Franç 1949, USP XVI $C_7H_6O_3$ MW 138.12	2.3		1 kg 5 kg 50 kg 5 x 50 kg	7.50 30.—	5.40 5.25
635	**Salicylic acid** precipitated fine powder extra pure DAB 7, BP 1958, Cod Franç 1949, USP XVI $C_7H_6O_3$ MW 138.12	3		1 kg 5 kg 50 kg 5 x 50 kg	8.— 32.50	5.60 5.50

Salicylic aldehyde see Salicylaldehyde

Salicylsulfonic acid see Sulfosalicylic acid

Salicyl yellow see Metachrome yellow

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7667	**Salmonella/Shigella agar** for microbiology (60 g for 1 litre of culture medium)	1.7		60 g 500 g 10 x 500 g	5.25 28.50 26.50	
7670	**Santonin** extra pure DAB 6, BP 1963, Cod Franç 1965, NF XI, Ph Internat I $C_{15}H_{18}O_3$ MW 246.31	1.5	P	25 g 100 g	10.50 33.50	
7695	**Saponin** white pure, Erg B 6	5–6	P 	100 g 250 g 1 kg 5 kg 25 kg	7.50 16.25 56.— 250.—	 47.25
7698	**Saponin** white pure small lumps		P 	1 kg 5 kg 25 kg	54.— 240.—	 46.—
7699	**Saponin** purified "MT"	2.1	P 	1 kg 5 kg 25 kg	19.50 84.—	 15.—
7669	**Sarcosine** for biochemistry (LAB) $C_3H_7NO_2$ MW 89.09 TYPE ANALYSIS: Assay (perchloric acid titration; on dried substance) . . . 99% Melting-range about 210–215° C Chloride (Cl) . . . 0.005 % Sulfate (SO_4) . . . 0.01 % Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.0005% Ammonium (NH_4) . . 0.0005% Sulfated ash . . . . 0.1 % Water (acc. to Karl Fischer) . . . 0.5 %	1.5	P	100 g	8.75	
7666	**Sarcosine** for synthesis (ORG) $C_3H_7NO_2$ MW 89.09	2		250 g	11.—	
9034	**Schiff's reagent** for detection of aldehydes 1 l = 1.00 kg			250 ml 1 l	4.25 8.50	
9035 •I•	**Schlesinger's reagent** for detection of urobilin 1 l = 0.85 kg			100 ml 500 ml 2½ l	4.25 8.— 30.—	

Schultze's stain for cellulose
see Zinc chloride-iodine solution

Scintillation chemicals for preparation of liquid and plastic scintillators see page 814

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7701	**Scopolaminium bromide** (hyoscinium bromide) DAB 7, BP 1968, Cod Franç 1965, JP VII, USP XVII $C_{17}H_{22}BrNO_4 \cdot 3\,H_2O$ MW 438.32 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.3		1 g 5 g 25 g	7.— 26.— 125.—	
	Scopolaminium methylbromide see *N*-Methylscopolaminium bromide					
	Scopolaminium methylnitrate see *N*-Methylscopolaminium nitrate					
7708	**Scopoline** (oscine) $C_8H_{13}NO_2$ MW 155.20	2		1 g	13.25	
7712	**Sea sand** purified by acid and calcined GR CERTIFICATE OF GUARANTEE: Substances soluble in hydrochloric acid max. 0.2 % Loss on ignition . max. 0.05 % Chloride (Cl) . . max. 0.005% Iron salts extractible by acid (as Fe) . . max. 0.01% Granulation . about 0.1–0.3 mm	0.7	P	500 g 1 kg 5 kg	7.35 12.75 61.—	
7711	**Sea sand** purified	0.7	P P □	1 kg 5 kg 9051/50 kg	5.80 21.—	3.15
753	**Sebacic acid** for synthesis (ORG) $C_{10}H_{18}O_4$ MW 202.25	1.5	P	250 g 1 kg	7.60 23.	
	Sebacic acid bis(2-ethylhexyl ester) see Bis(2-ethylhexyl) sebacate					
759	**Sebaconitrile** for synthesis (ORG) $C_{10}H_{16}N_2$ MW 164.25 1 l = 0.91 kg			25 ml	12.—	
	Selective agar for clostrides see Clostridium selective agar					
	Selective agar for corynebacteria see Corynebacterium selective agar					
	Selective agar for fungi see Fungus selective agar					
	Selective agar for lactobacillus see Lactobacillus selective agar					

Selectipur® Chemicals

Acetic acid glacial min. 96% **Selectipur®**
Acetic acid glacial 99–100% **Selectipur®**
Acetone **Selectipur®**
Adipic acid **Selectipur®**
Aluminium phosphate **Selectipur®**
Ammonia solution min. 25% **Selectipur®**
Ammonium carbamate (Ammonium carbonate) **Selectipur®**
Ammonium chloride **Selectipur®**
Ammonium fluoride **Selectipur®**
Ammonium fluoride solution 40% w/w **Selectipur®**
Ammonium pentaborate **Selectipur®**
Barium acetate **Selectipur®**
Barium carbonate **Selectipur®**
Barium nitrate **Selectipur®**
Benzene **Selectipur®**
Boric acid **Selectipur®**
di-Boron trioxide **Selectipur®**
Bromine **Selectipur®**
Cadmium fluoride **Selectipur®**
Cadmium sulfate **Selectipur®**
Calcium carbonate precipitated **Selectipur®**
Carbon tetrachloride **Selectipur®**
Cesium **Selectipur®**
Cesium chromate **Selectipur®**
Cesium fluoride **Selectipur®**
Copper(II) sulfate **Selectipur®**
Diethyl ether **Selectipur®**
Ethyl methyl ketone **Selectipur®**
Fluorescein **Selectipur®**
Hydrochloric acid min. 32% **Selectipur®**
Hydrochloric acid fuming min. 37% **Selectipur®**
Hydrofluoric acid min. 40% **Selectipur®**
Hydrofluoric acid about 50% **Selectipur®**
Hydrogen peroxide solution 30% w/w of H_2O_2 **Selectipur®**
Lead(II) acetate **Selectipur®**
Magnesium hydroxide carbonate **Selectipur®**
Magnesium oxide **Selectipur®**
Magnesium tungstate **Selectipur®**
Manganese(II) nitrate 6-hydrate **Selectipur®**
Manganese(II) nitrate solution **Selectipur®**
D(–)Mannitol **Selectipur®**
Mercury(II) oxide red **Selectipur®**
Methanol **Selectipur®**
Nitric acid min. 65% **Selectipur®**
Nitric acid about 70% **Selectipur®**
Nitric acid fuming 100% **Selectipur®**
Oxalic acid **Selectipur®**
ortho-Phosphoric acid min. 85% **Selectipur®**
Potassium cyanide **Selectipur®**
Potassium hydroxide pellets **Selectipur®**
2-Propanol **Selectipur®**
Rubidium chromate **Selectipur®**
Rubidium fluoride **Selectipur®**
Sodium chromate **Selectipur®**
Sodium hydroxide pellets **Selectipur®**
Sodium iodide **Selectipur®**
di-Sodium tetraborate cryst. **Selectipur®**
Sorbitol liquid **Selectipur®**
Strontium carbonate **Selectipur®**
Strontium chloride anhydrous **Selectipur®**
Strontium nitrate anhydrous **Selectipur®**
Sulfuric acid 95–97% **Selectipur®**
Tetrachloroethylene **Selectipur®**
Thallium(I) bromide **Selectipur®**
Thallium(I) chloride **Selectipur®**
Thallium(I) iodide **Selectipur®**
Toluene **Selectipur®**
Trichloroethylene **Selectipur®**
Xylene **Selectipur®**

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5467	**Selective agar for pathogenic fungi** for microbiology (33 g for 1 litre of culture medium)	1.7	33 g 500 g 10 x 500 g	9.75 103.— 100.—	
	Selective agar for staphylococci see Staphylococcus selective agar				
	Selective agar for streptococci see Streptococcus selective agar				
652	**Selenious acid** cryst. technical H_2SeO_3 MW 128.98	0.6	100 g 250 g 1 kg	23.50 56.— 200.—	
	Selenious anhydride see Selenium dioxide				
7718	**Selenite brilliant-green mannitol enrichment medium** acc. to Osborne and Stokes for microbiology (28 g for 1 litre of culture medium)	1.7	28 g 500 g 10 x 500 g	4.— 35.— 32.50	
7717	**Selenite enrichment medium** acc. to Leifson for microbiology (23 g for 1 litre of culture medium)	1.7	23 g 500 g 10 x 500 g	4.— 27.50 25.50	
8030	**Selenium mixture** GR (for determination of nitrogen acc. to Wieninger)	1	250 g 500 g 1 kg 5 kg 25 kg	6.75 11.— 20.— 85.—	 14.50
7714	**Selenium** powder black (LAB) Se AW 78.96 TYPE ANALYSIS: Assay . . . . . 99.5 % Lead (Pb) . . . . . 0.005% Iron (Fe) . . . . . 0.005% Residue on ignition . . 0.2 %	1.1	25 g 100 g 250 g 1 kg	10.50 34.— 82.— 290.—	
653	**Selenium dioxide** sublimed, for synthesis (LAB) SeO_2 MW 110.96	0.5	25 g 100 g 250 g 1 kg	9.— 28.— 67.50 235	
7713	**Selenium disulfide** USP XVII SeS_2 MW 143.09	2.2	25 g 250 g	8.75 66.50	
	Selenium oxide see Selenium dioxide				
	Selenous . . . see Selenious . . .				

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7722	**Semicarbazide hydrochloride** GR CH_6ClN_3O MW 111.53 CERTIFICATE OF GUARANTEE: Assay . . . . . min. 99.5% Melting-point . . . 174–177° C (decomposition) Hydrazine (N_2H_4) . max. 0.01% Sulfated ash . . . max. 0.02%	1.4	P 25 g 100 g	4.50 12.—	
7769	L(–)**Serine** for biochemistry (LAB) $C_3H_7NO_3$ MW 105.09 TYPE ANALYSIS: Assay (perchloric acid titration; on dried substance) . . . 99% Melting-range . . . 210-220° C Specific rotation ($[\alpha]_D^{20}$°; c = 5, 1 N HCl) . . . . +15° Chloride (Cl) . . . 0.01 % Sulfate (SO_4) . . . . 0.01 % Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.001% Ammonium (NH_4) . . 0.001% Sulfated ash . . . . . 0.1 % Water (acc. to Karl Fischer) . . . . 0.5 %	1.8	5 g 25 g 100 g 1 kg	5.80 19.— 63.— price on application	
7912	L(–)**Serine methyl ester hydrochloride** for synthesis (LAB) $C_4H_{10}ClNO_3$ MW 155.58		5 g	13.25	
7768	**Serotonin-creatinine sulfate** (LAB) $C_{14}H_{21}N_5O_6S \cdot H_2O$ MW 405.43 TYPE ANALYSIS: Assay (by KOH titration or nitrogen determination; on dried substance) . . . . . 99% Melting-range . . . 215-225° C Sulfated ash . . . 0.2% Water (acc. to Karl Fischer) about 4–5%	5	1 g 10 g	9.50 74.—	
9275	**Shorr dye solution** for hormonal cytodiagnosis 1 l = 0.92 kg		100 ml 500 ml	4.25 8.50	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Silica Gel* for thin layer chromatography					
7731	**Silica gel G** acc. to Stahl for thin layer chromatography TYPE ANALYSIS: Content of $CaSO_4$ about 13% Chloride (Cl) . . . . . 0.02% Iron (Fe) . . . . . 0.02% pH of a 10% aqueous slurry . . . . 7 Mean particle size of the adsorbent . . . . . 10–40 µ	3		500 g 1 kg 5 kg 25 kg	13.- 23.75 100.— 	 17.65
7730	**Silica gel GF_{254}** acc. to Stahl for thin layer chromatography TYPE ANALYSIS: Content of $CaSO_4$ about 13% Chloride (Cl) . . . . . 0.02% Iron (Fe) . . . . . 0.02% pH of a 10% aqueous slurry . . . . 7 Mean particle size of the adsorbent . . . . . 10–40 µ	3		500 g 1 kg 5 kg	15.50 28.— 121.—	
7736	**Silica gel H** acc. to Stahl for thin layer chromatography TYPE ANALYSIS: Without $CaSO_4$ Chloride (Cl) . . . . 0.02% Iron (Fe) . . . . . 0.02% pH of a 10% aqueous slurry . . . . 7 Mean particle size of the adsorbent . . . . . 10–40 µ	4		500 g 1 kg 5 kg 25 kg	13.— 23.75 100.— 	 17.65
7739	**Silica gel HF_{254}** acc. to Stahl for thin layer chromatography TYPE ANALYSIS: Without $CaSO_4$ Chloride (Cl) . . . . 0.02% Iron (Fe) . . . . . 0.02% pH of a 10% aqueous slurry . . . 7 Mean particle size of the adsorbent . . . . . 10–40 µ	4		500 g 1 kg 5 kg	15.50 28.— 121	

* In the case of adsorbents in powder form the letter "G" indicates that the material contains gypsum as binder. Grades with the letter "H" contain neither gypsum nor organic binders. "F" indicates the presence of fluorescent indicators; the figures in the subscripts give the wavelengths at which these additives fluoresce. Grades with the letter "P" are intended for preparative layer chromatography. "R" indicates specially purified adsorbents.

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Silica Gel* for thin layer chromatography				
7741	**Silica gel $HF_{254 + 366}$** acc. to Stahl for thin layer chromatography TYPE ANALYSIS: Without $CaSO_4$ Chloride (Cl) . . . . 0.02% Iron (Fe) . . . . . 0.02% pH of a 10% aqueous slurry . . . 7 Mean particle size of the adsorbent . . . . . 10–40 µ	3.1	P 500 g 1 kg 5 kg	16.50 30.— 132.—	
7744	**Silica gel HR** extra pure acc. to Stahl for thin layer chromatography TYPE ANALYSIS: Chloride (Cl) . . . . . 0.008 % Sulfate (SO_4) . . . . . 0.003 % Nitrate (NO_3) . . . . . 0.005 % Lead (Pb) . . . . . 0.0005% Copper (Cu) . . . . . 0.0005% Iron (Fe) . . . . . 0.002 % Zinc (Zn) . . . . . 0.0005% Medium particle size of the adsorbent . . 10–40 µ pH of a 10% aqueous slurry 7	3	500 g 1 kg	28.— 54.—	
7762	**Silica gel** macroporous type 150 for thin layer chromatography		P 100 g 500 g	23.25 98.—	
7764	**Silica gel** macroporous type 500 for thin layer chromatography		P 100 g 500 g	23.25 98.—	
7766	**Silica gel** macroporous type 1000 for thin layer chromatography		P 100 g 500 g	23.25 98.—	

* In the case of adsorbents in powder form the letter "G" indicates that the material contains gypsum as binder. Grades with the letter "H" contain neither gypsum nor organic binders. "F" indicates the presence of fluorescent indicators; the figures in the subscripts give the wavelengths at which these additives fluoresce. Grades with the letter "P" are intended for preparative layer chromatography. "R" indicates specially purified adsorbents.

		Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	TLC plates *			
24 0100	**TLC plates Silica gel** (without fluorescent indicator) pre-coated 5 cm x 20 cm layer thickness 0.25 mm			
	pack of 100 plates		57.—	
	10 packs		55.—	
	25 packs		53.—	
21 0025	**TLC plates Silica gel** (without fluorescent indicator) pre-coated 20 cm x 20 cm layer thickness 0.25 mm			
	pack of 25 plates		33.—	
	10 packs		34.—	
	25 packs		33.—	
9 0020	**TLC plates Silica gel F_{254}** pre-coated 5 cm x 10 cm layer thickness 0.25 mm			
	pack of 20 plates		6.60	
	10 packs		8.60	
	25 packs		8.40	
9 0200	**TLC plates Silica gel F_{254}** pre-coated 5 cm x 10 cm layer thickness 0.25 mm			
	pack of 200 plates		71.—	
	10 packs		69.—	
	25 packs		67.—	
14 0010	**TLC plates Silica gel F_{254}** pre-coated 5 cm x 20 cm layer thickness 0.25 mm			
	pack of 10 plates		7.10	
	10 packs		6.90	
	25 packs		6.70	
14/0100	**TLC plates Silica gel F_{254}** pre-coated 5 cm x 20 cm layer thickness 0.25 mm			
	pack of 100 plates		57.—	
	10 packs		55.—	
	25 packs		53.—	
9 0050	**TLC plates Silica gel F_{254}** pre-coated 10 cm x 20 cm layer thickness 0.25 mm			
	pack of 50 plates		52.—	
	10 packs		50.—	
	25 packs		48.—	
0025	**TLC plates Silica gel F_{254}** pre-coated 20 cm x 20 cm layer thickness 0.25 mm			
	pack of 25 plates		35.—	
	10 packs		34.—	
	25 packs		33.—	
7 0025	**TLC plates Silica gel F_{254}** fast running, pre-coated (Silica gel Kieselguhr) 20 cm x 20 cm layer thickness 0.25 mm			
	pack of 25 plates		35.—	
	10 packs		34.—	
	25 packs		33.—	

* In the case of pre-coated items for TLC and PLC the designations "G", "H" or "P" used after the adsorbents in their powder form are dispensed with. The coatings of the items (plates, aluminium foil, plastic sheets) consist of the same basic material as the corresponding absorbents in powder form. Addition of gypsum is not necessary; the abrasion-resistance of all the pre-coated items is achieved by means of small amounts of an inert and at the same time highly effective binder. The letter "F" indicates the presence of a fluorescent indicator; the figures in the subscripts give the wavelengths at which these indicators fluoresce.

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	TLC aluminium sheets *				
5553 0025	**TLC aluminium sheets Silica gel** (without fluorescent indicator) pre-coated 20 cm x 20 cm layer thickness 0.25 mm		pack of 25 sheets	23.—	
			10 packs	22.—	
			25 packs	21.—	
5554 0025	**TLC aluminium sheets Silica gel F_{254}** pre-coated 20 cm x 20 cm layer thickness 0.25 mm		pack of 25 sheets	23.—	
			10 packs	22.—	
			25 packs	21.—	
5562 0001	**TCL aluminium rolls Silica gel F_{254}** pre-coated 500 cm x 20 cm layer thickness 0.20 mm		1 roll	20.—	
			10 rolls	19.—	
			25 rolls	18.—	
5567 0025	**TLC aluminium sheets Silica gel F_{254}** fast running, pre-coated (Silica gel/Kieselguhr) 20 cm x 20 cm, layer thickness 0.25 mm		pack of 25 sheets	23.—	
			10 packs	22.—	
			25 packs	21.—	
5564 0001	**TLC aluminium rolls Silica gel F_{254}** fast running pre-coated (Silica gel/Kieselguhr) 500 cm x 20 cm, layer thickness 0.20 mm		1 roll	20.—	
			10 rolls	19.—	
			25 rolls	18.—	
	TLC plastic sheets *				
5735 0025	**TLC plastic sheets Silica gel F_{254}** pre-coated 20 cm x 20 cm layer thickness 0.25 mm		pack of 25 sheets	32.—	
			10 packs	31.—	
			25 packs	30.—	

* In the case of pre-coated items for TLC and PLC the designations "G", "H" or "P" used after the adsorbents in their powder form are dispensed with. The coatings of the items (plates, aluminium foil, plastic sheets) consist of the same basic material as the corresponding absorbents in powder form. Addition of gypsum is not necessary; the abrasion-resistance of all the pre-coated items is achieved by means of small amounts of an inert and at the same time highly effective binder. The letter "F" indicates the presence of a fluorescent indicator; the figures in the subscripts give the wavelengths at which these indicators fluoresce.

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Silica Gel* for preparative layer chromatography					
'747	**Silica gel PF_{254}** for preparative layer chromatography	4	P	1 kg	25.75	
				5 kg	111.—	
748	**Silica gel $PF_{254 + 366}$** for preparative layer chromatography	4	P	1 kg	28.—	
				5 kg	121.—	
749	**Silica gel PF_{254}** containing $CaSO_4$ for preparative layer chromatography	3	P	1 kg	18.-	
				5 kg	75.—	
				25 kg		12.—

* In the case of adsorbents in powder form the letter "G" indicates that the material contains gypsum as binder. Grades with the letter "H" contain neither gypsum nor organic binders. "F" indicates the presence of fluorescent indicators; the figures in the subscripts give the wavelengths at which these additives fluoresce. Grades with the letter "P" are intended for preparative layer chromatography. "R" indicates specially purified adsorbents.

	PLC plates*			
7.0012	**PLC plates Silica gel F_{254}** pre-coated 20 cm x 20 cm for preparative layer chromatography layer thickness 2 mm	pack of 12 plates	42.—	
		10 packs	41.—	
		25 packs	40.—	
' 0010	**PLC plates Silica gel F_{254}** pre-coated 20 cm x 40 cm for preparative layer chromatography layer thickness 2 mm	pack of 10 plates	71.—	
		10 packs	69.—	
		25 packs	67.-	

* In the case of pre-coated items for TLC and PLC the designations "G", "H" or "P" used after the adsorbents in their powder form are dispensed with. The coatings of the items (plates, aluminium foil, plastic sheets) consist of the same basic material as the corresponding absorbents in powder form. Addition of gypsum is not necessary; the abrasion-resistance of all the pre-coated items is achieved by means of small amounts of an inert and at the same time highly effective binder. The letter "F" indicates the presence of a fluorescent indicator; the figures in the subscripts give the wavelengths at which these indicators fluoresce.

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Silica Gel for column chromatography				
7729	**Silica gel** less than 0.08 mm (finer than 200 mesh ASTM) for column chromatography TYPE ANALYSIS: Chloride (Cl) . . . . . 0.02% Iron (Fe) . . . . . 0.03% pH of a 10% aqueous slurry . . . . . 7 Activity acc. to Brockmann and Schodder : 2–3	2.7	P 500 g 1 kg 25 kg	13.— 23.75	17.65
7754	**Silica gel** 0.05–0.20 mm (70–325 mesh ASTM) extra pure for column chromatography TYPE ANALYSIS: Chloride (Cl) . . . . 0.008 % Sulfate (SO_4) . . . . . 0.003 % Nitrate (NO_3) . . . . . 0.004 % Lead (Pb) . . . . . 0.0005% Copper (Cu) . . . . . 0.0005% Iron (Fe) . . . . . 0.002 % Zinc (Zn) . . . . . 0.0005% pH of a 10% aqueous slurry . . . . . 7 Activity acc. to Brockmann and Schodder 2–3	2	500 g 1 kg	22.50 44.25	
7734	**Silica gel** 0.05–0.20 mm (70–325 mesh ASTM) for column chromatography TYPE ANALYSIS: Chloride (Cl) . . . . . 0.02% Iron (Fe) . . . . . 0.03% pH of a 10% aqueous slurry . . . . . 7 Activity acc. to Brockmann and Schodder 2–3	1.9	P 500 g 1 kg 5 kg 25 kg	13.— 23.75 100.—	17.65
7733	**Silica gel** 0.2–0.5 mm (30–70 mesh ASTM) for column chromatography TYPE ANALYSIS: Chloride (Cl) . . . . . 0.02% Iron (Fe) . . . . . 0.03% pH of a 10% aqueous slurry . . . . . 7 Activity acc. to Brockmann and Schodder 2–3	2	P 500 g 1 kg 5 kg 25 kg	13.— 23.75 100.—	17.65
	Silica gel macroporous véase Merckogel				
7738	**Silica gel** activated, standardised for analysis of wax acc. to Spengler	2	100 g	9.50	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Silica Gel* silanised				
761	**Silica gel H** silanised for thin layer chromatography		P 100 g 250 g	16.75 39.50	
750	**Silica gel HF_{254}** silanised for thin layer chromatography	3	P 100 g 250 g	16.75 39.50	
751	**Silica gel PF_{254}** silanised for preparative layer chromatography	3	P 500 g 1 kg	56.— 105.—	
719	**Silica gel** 0.05–0.20 mm (70–325 mesh ASTM) silanised for column chromatography	1.2	250 g 1 kg	39.50 137.—	
	* In the case of adsorbents in powder form the letter "G" indicates that the material contains gypsum as binder. Grades with the letter "H" contain neither gypsum nor organic binders. "F" indicates the presence of fluorescent indicators; the figures in the subscripts give the wavelengths at which these additives fluoresce. Grades with the letter "P" are intended for preparative layer chromatography. "R" indicates specially purified adsorbents.				
	FIA analysis				
755	**Silica gel** fine with fluorescent indicator for FIA analysis acc. to DIN 51 791 (ASTM D 1319)	3	25 g 100 g 1 kg	14.25 55.— 475.—	
752	**Silica gel** fine for FIA analysis acc. to DIN 51 791 (ASTM D 1319)	1.6	250 g 1 kg 2½ kg	21.— 72.— 168.—	
756	**Silica gel** coarse for FIA analysis acc. to DIN 51 791 (ASTM D 1319)	1.6	250 g 1 kg 2½ kg	8.50 24.25 63.—	
735	**Silica gel** beads (LAB) TYPE ANALYSIS: Particle size . . . . . 2–5 mm Loss on drying (105 °C) 3%	1.4	P 500 g 1 kg 5 kg	6.80 12.25 51.—	
925	**Silica gel** with moisture indicator (blue gel) (LAB) TYPE ANALYSIS: Particle size . . about 1–3 mm Loss on drying (105 °C) 3%	1.5	P 500 g 1 kg 5 kg 50 kg	5.10 11.— 46.25	6.50
657	**Silicic acid** precipitated, dried $SiO_2 \cdot x\,H_2O$ MW 60.08 (anhydrous)	6.5	P 500 g 1 kg 5 kg 25 kg	5.25 8.50 33.75	6.40
	Silicofluoric acid see Hydrofluorosilicic acid				

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7720	**Silicon monoxide** chips **Patinal**® chips size about 2–8 mm SiO MW 44.09 TYPE ANALYSIS: Assay of SiO . . . . 99% Chromium (Cr) . . . 0.0005% Nickel (Ni) . . . . . 0.001 % Iron (Fe) . . . . . 0.005% Aluminium (Al) . . . . 0.01 % Magnesium (Mg) . . . 0.001%			**100 g** **1 kg**	79.— **price on application**	
7724	**Silicon monoxide** chips **Patinal**® chips size about 8–15 mm SiO MW 44.09 TYPE ANALYSIS: Assay of SiO . . . . 99% Chromium (Cr) . . . 0.0005% Nickel (Ni) . . . . . 0.001 % Iron (Fe) . . . . . 0.005% Aluminium (Al) . . . . 0.01 % Magnesium (Mg) . . . 0.001%	1.3		**100 g** **1 kg**	79.— **price on application**	
7721	**Silicon monoxide** chips **Patinal**® chips size more than 15 mm SiO MW 44.09 TYPE ANALYSIS: Assay of SiO . . . . 99% Chromium (Cr) . . . 0.0005% Nickel (Ni) . . . . . 0.001 % Iron (Fe) . . . . . 0.005% Aluminium (Al) . . . . 0.01 % Magnesium (Mg) . . . 0.001%			**100 g** **1 kg**	79.— **price on application**	
7726	**Silicon monoxide** powder **Patinal**® particle size less than 0.44 mm SiO MW 44.09			**100 g** **1 kg**	95.— **price on application**	
7723	**Silicon monoxide** powder **Patinal**® particle size less than 0.15 mm SiO MW 44.09			**100 g** **1 kg**	90.— **price on application**	
7725	**Silicon monoxide** powder **Patinal**® particle size less than 0.3 mm SiO MW 44.09 TYPE ANALYSIS: Assay of SiO . . . . 99% Chromium (Cr) . . . 0.0005% Nickel (Ni) . . . . . 0.001 % Iron (Fe) . . . . . 0.005% Aluminium (Al) . . . . 0.01 % Magnesium (Mg) . . . 0.001%	1		**100 g** **1 kg**	79.— **price on application**	
7706	**Silicontetrachloride** for synthesis (LAB) $SiCl_4$ MW 169.90	1 l = 1.52 kg		**500 ml**	14.—	

Silicotungstic acid see Tungstosilicic acid

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7743	**Silicone anti-foaming agent** (LAB)	1		100 g	18.50	
9761	**Silicone grease** for gas chromatography	1.3		100 g	44.25	
7746	**Silicone grease** (LAB)	1.5		25 g	5.—	
21.0001	**Silicone high vacuum grease** heavy (LAB)			tube 100 g	13.25	
22.0001	**Silicone high vacuum grease** medium (LAB)			tube 100 g	13.25	
9762	**Silicone oil 550** for gas chromatography 1 l = 1.06 kg			100 ml	22.75	
7742	**Silicone oil** for oil baths up to 250° C (LAB) 1 l = 0.97 kg			100 ml 1 l	11.50 90.—	
9763	**Silicone rubber** (dimethylpolysiloxane) for gas chromatography	1.25		100 g	19.—	
504	**Silver acetate** for synthesis (LAB) CH_3COOAg MW 166.92 TYPE ANALYSIS: Assay of CH_3COOAg . 98.5 %; Total nitrogen (N) . . 0.01 % Chloride (Cl) . . . . 0.005%; Copper Cu) . . . . . 0.005% Sulfate (SO_4) . . . . 0.01 %; Iron (Fe) 0.005%	1.9		25 g 100 g	15.50 52.—	
507	**Silver colloidal** DAB 6, Cod Franç 1965 Ag AW 107.87	0.6		10 g 25 g 100 g 1 kg	7.50 16.25 54.— 475.—	
515	**Silver diethyldithiocarbamate** GR (reagent for arsenic and antimony) $C_5H_{10}AgNS_2$ MW 256.14	1.7		5 g	9.50	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1512	**Silver nitrate** GR $AgNO_3$ MW 169.87 CERTIFICATE OF GUARANTEE: Assay of $AgNO_3$ min. 99.8% Substances insoluble in water . . . max. 0.005 % Chloride (Cl) . . max. 0.0005% Sulfate (SO_4) . . max. 0.002 % Lead (Pb) . . . max. 0.001 % Copper (Cu) . . max. 0.0005% Nickel (Ni) . . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Manganese (Mn) max. 0.0005% Thallium (Tl) . . max. 0.001 % Zinc (Zn) . . . . max. 0.0001% Cadmium (Cd) . max. 0.0001% Substances not precipitated by hydrochloric acid . . . . . max. 0.005 %	0.5	P	25 g 100 g 250 g 1 kg	12.75 40.50 99.— 352.—	
1510	**Silver nitrate** cryst. DAB 7, BP 1968, Cod Franç 1965, JP VII, Ph Ned VI, USP XVII $AgNO_3$ MW 169.87	0.5	P	25 g 100 g 250 g 1 kg	11.— 35.25 85.— 300.—	
1511	**Silver nitrate** fused sticks DAB 7 $AgNO_3$ MW 169.87	1		25 g 100 g 250 g	12.25 36.25 91.—	
9990 0001	**0.1 N Silver nitrate solution Titrisol** (DBP No. 971 376) concentrated solution for preparation of 1 litre of 0.1 N solution			ampoule	11.--	
9080 *	**1 N Silver nitrate solution**			500 ml 1 l	45.75 90.—	
1503	**Silver oxide** GR Ag_2O MW 231.74	0.8		10 g	10.50	
1533	**Silver protein** DAB 6	2.2		100 g 250 g 1 kg 5 kg	11.50 25.75 92.– 431.—	
1536	**Silver protein** mild (19–23% Ag) BPC 1963	1.3		25 g 100 g 250 g 1 kg	6.10 17.50 40.50 137.—	
7447	**Silver protein** strong for microscopy	1.8		5 g 25 g	9.25 37.75	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1509	**Silver sulfate** GR Ag_2SO_4 MW 311.80 CERTIFICATE OF GUARANTEE: Assay of Ag_2SO_4 . min. 99.5 % Substances insoluble in water and silver chloride . . . . max. 0.02 % Lead (Pb) . . . . max. 0.002% Copper (Cu) . . . max. 0.002% Nickel (Ni) . . . . max. 0.002% Iron (Fe) . . . . . max. 0.002% Zinc (Zn) . . . . max. 0.001% Substances not precipitated by hydrochloric acid . . . . . max. 0.03 %	0.6	P	25 g 100 g	20.50 70.—	
1534	**Silver sulfate** cryst. Ag_2SO_4 MW 311.80 TYPE ANALYSIS: Assay of Ag_2SO_4 . . . 98.5 % Lead (Pb) . . . . . 0.005% Iron (Fe) . . . . . 0.005% Substances not precipitated by hydrochloric acid . . 0.3%	0.6	P	25 g 100 g 250 g 1 kg	12.75 42.— 102.— 360.—	
009/0001	**Silver Test** for fixing baths			Box (100 sticks) 10 Boxes 50 Boxes	6.— 5.50 5.—	
	Silver vitellinate see Silver protein mild					
506	**Silver wool** for elementary analysis Ag AW 107.87			10 g	13.50	
470	**SIM culture medium** for microbiology (30 g for 1 litre of culture medium)	2.1		30 g 500 g 10 x 500 g	4.— 32.50 30.50	
501	**Simmons citrate agar** for microbiology (22 g for 1 litre of culture medium)	1.5		22 g 500 g 10 x 500 g	3.50 40.— 37.50	
165	**SIROSET® concentrate N** (solution for preparing durable creases and pleatings for woollen goods)			plastic container 20 kg (2 x 10 kg)	price on application	
3741	**β-Sitosterol** (5-stigmasten-3β-ol) (LAB) $C_{29}H_{50}O$ MW 414.72	4		100 g 1 kg	23.25 200.—	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
3742		**Smilagenin** (5β, $20\alpha_F H$, $22\alpha_F O$, $25\beta_F H$-spirostan-3β-ol) (LAB) $C_{27}H_{44}O_3$ MW 416.65	4		10 g	22.–	
7682		**Soap medicinal** powder DAB 6	2.2		1 kg 5 kg 50 kg	6.30 23.75	 3.65
9150	*	**Soap solution** acc. to Boutron-Boudet (DIN 8106)		P	500 ml 1 l 5 l	5.80 9.25 37.75	
		Soda see Sodium carbonate 10-hydrate					
1564		**Soda asbestos** granulated for elementary analysis CERTIFICATE OF GUARANTEE: Loss on ignition . . 20–25% Granules . . . about 1.5–3 mm Absorption capacity for CO_2 . . . . . min. 50%	1.2	P	250 g 1 kg	6.80 20.25	
1567		**Soda asbestos** fine-granular for elementary analysis CERTIFICATE OF GUARANTEE: Loss on ignition . . 20–25% Granules . . about 0.75–1.5 mm Absorption capacity for CO_2 . . . . . min. 50%	1.3	P	250 g 1 kg	6.80 20.25	
		Soda caustic see Sodium hydroxide					
6839		**Soda lime** granular with indicator GR 1 l = 0.94 kg CERTIFICATE OF GUARANTEE: Absorption capacity for CO_2 . . . . . min. 28% Loss on drying (105 °C) 13–18% Granules . . . . . 2–5 mm		P 	500 ml 1 l 5 l 80 l	5.50 8.70 35.75	 litre 5.25
6830		**Soda lime** granules 1–2 mm with indicator for elementary analysis 1 l = 0.94 kg		P	500 ml	7.50	
6261	•|•	**Sodium** GR Na AW 22.99 CERTIFICATE OF GUARANTEE: Chloride (Cl) . . max. 0.002 % Heavy metals (as Pb) . . . . max. 0.0005% Sulfate (SO_4) . . max. 0.002 % Iron (Fe) . . . . max. 0.001 % Phosphate (PO_4) max. 0.0005% Calcium (Ca) . . max. 0.05 % Total nitrogen (N) max. 0.0005% Potassium (K) . max. 0.01 %	2		250 g 1 kg	8.– 20.50	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
6260	**Sodium** Na AW 22.99	2	250 g 1 kg 5 kg	6.30 13.50 45.25	
6264	**Sodium acetate** anhydrous **Suprapur**[5] CH_3COONa MW 82.03 CERTIFICATE OF GUARANTEE: Lead (Pb) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Copper (Cu) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Nickel (Ni) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Cobalt (Co) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Zinc (Zn) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Iron (Fe) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Aluminium (Al) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Manganese (Mn) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Thallium (Tl) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Magnesium (Mg) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Calcium (Ca) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Strontium (Sr) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Potassium (K) . . . . . max. $1 \cdot 10^{-3}$ % (10 ppm)	1.7	50 g 500 g	10.50 70.—	
6267	**Sodium acetate** cryst. GR indifferent to potassium permanganate $CH_3COONa \cdot 3\,H_2O$ MW 136.08 CERTIFICATE OF GUARANTEE: Assay of $CH_3COONa \cdot 3\,H_2O$ . . . . min. 99.5% pH (5% solution 20°C) . . . . 7.5–9.0 Chloride (Cl) . . max. 0.0003% Sulfate (SO_4) . . max. 0.002 % Phosphate (PO_4) max. 0.0003% Nitrate (NO_3) . max. 0.001 % Heavy metals (as Pb) . . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Aluminium (Al) . max. 0.0005% Calcium (Ca) . . max. 0.001 % Magnesium (Mg) max. 0.0005% Potassium (K) . max. 0.002 % Substances reducing $KMnO_4$ (as HCOOH) . max. 0.005 %	1.1	500 g 1 kg 5 kg 50 kg	5.25 9.— 39.—	5.75
6268	**Sodium acetate** anhydrous GR CH_3COONa MW 82.03 CERTIFICATE OF GUARANTEE: Assay of CH_3COONa . . min. 99% pH (5% solution 20°C) . . . . 7.5–9.0 Chloride (Cl) . max. 0.0005% Sulfate (SO_4) . . max. 0.003 % Phosphate (PO_4) max. 0.0005% Heavy metals (as Pb) . . . . max. 0.001 % Iron (Fe) . . . . max. 0.0005% Aluminium (Al) . max. 0.001 % Calcium (Ca) . . max. 0.001 % Magnesium (Mg) max. 0.0005% Potassium (K) . max. 0.02 % Loss on drying (150°C) . . . max. 0.5 %	1.7	250 g 1 kg 5 kg	5.— 13.50 57.50	
6265	**Sodium acetate** cryst. extra pure DAB 6, BP 1968, NF XII $CH_3COONa \cdot 3\,H_2O$ MW 136.08 TYPE ANALYSIS: Assay of $CH_3COONa \cdot 3\,H_2O$ (perchloric acid titration) . . . . . 99% Free alkali (as NaOH) 0.02 % Chloride (Cl) . . . . 0.001% Sulfate (SO_4) . . . . 0.005% Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.001% Calcium (Ca) . . . . . 0.005% Potassium (K) . . . . 0.01 %	1.1	1 kg 5 kg 9051/50 kg	5.— 16.50	2.50

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
6270	**Sodium acetate** anhydrous **Fotopur®** CH_3COONa MW 82.03 TYPE ANALYSIS: Assay of CH_3COONa (perchloric acid titration) . . . . . 95% Free acid (as CH_3COOH) . . 1% Free alkali (as NaOH) 0.04 % Chloride (Cl) . . . . 0.2 % Heavy metals (as Pb) . 0.005% Iron (Fe) . . . . . 0.005% Insoluble substances, calcium, magnesium, substances precipitated by ammonia solution (acc. to ASA) . . . 0.5 %	1.6	1 kg 5 kg 9051/50 kg	7.50 29.— 	 4.70
	Sodium alizarinsulfonate see Alizarinsulfonic acid sodium salt				
6289	**Sodium aluminium hydride** for synthesis (LAB) $NaAlH_4$ MW 54.00	1.5	10 g 25 g 100 g	7.75 16.50 57.50	
	Sodium aluminium silicate see Molecular sieve				
6685	**Sodium amide** 50% suspension, in toluene for synthesis (LAB) $NaNH_2$ MW 39.01		200 g	10.50	
6682	**Sodium ammonium hydrogen phosphate** GR $NaNH_4HPO_4 \cdot 4\,H_2O$ MW 209.07 CERTIFICATE OF GUARANTEE: Assay of $NaNH_4HPO_4 \cdot 4\,H_2O$ . . . . . min. 99% Chloride (Cl) . . max. 0.001 % Sulfate (SO_4) . . max. 0.005 % Heavy metals (as Pb) . . . . max. 0.0005 % Iron (Fe) . . . . max. 0.0005 % Potassium (K) . max. 0.001 % Arsenic (As) . . max. 0.00005%	1.3	250 g 1 kg	4.50 12.25	
	Sodium anthraquinone-2-sulfonate see Anthraquinone-2-sulfonic acid sodium salt				
	Sodium arsenate see *di*-Sodium hydrogen arsenate				
6287	**Sodium** *meta*-**arsenite** GR $NaAsO_2$ MW 129.92	0.75	250 g 1 kg	9.50 29.50	
9030/0001	0.1 N Sodium arsenite solution Titrisol® (DHI® No. 9.1370) concentrated solution for preparation of 1 litre of 0.1 N solution		ampoule	3.50	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
00076	**Sodium L(+)ascorbate** USP XVII $C_6H_7NaO_6$ MW 198.11 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2	100 g 1 kg 5 kg 50 kg	prices on application	
6688	**Sodium azide** NaN_3 MW 65.01 TYPE ANALYSIS: Assay (iodometric) . . 99% Substances insoluble in water . . . . . 0.05 % Free alkali (as NaOH) 0.2 % Heavy metals (as Pb) . 0.001% Loss on drying . . . . 0.2 %	1	100 g 250 g 1 kg 40 kg	5.80 12.25 43 50	 30.25
6290	**Sodium benzoate** powder DAB 6, BP 1958, Ph Ned VI, USP XVII C_6H_5COONa MW 144.11	2.7	P 1 kg 5 kg 50 kg 5 x 50 kg 20 x 50 kg	6.— 24.—	 2.90 2.75 2.70
	Sodium biborate see *di*-Sodium tetraborate				
	Sodium bicarbonate see Sodium hydrogen carbonate				
	Sodium bichromate see Sodium dichromate				
	Sodium biphosphate see Sodium dihydrogen phosphate				
	Sodium biselenite see Sodium hydrogen selenite				
5348	**Sodium bismuthate** GR $NaBiO_3$ MW 279.97 CERTIFICATE OF GUARANTEE: Chloride (Cl) . . max. 0.002 % Nitrate (NO_3) . max. 0.004 % Peroxides soluble (as O) . . . . max. 0.008 % Manganese (Mn) max. 0.0005%	1	P 25 g 100 g 250 g 1 kg	6.25 18.25 44. 152.50	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Sodium bisulfate see Sodium hydrogen sulfate					
	Sodium bisulfite see Sodium disulfite					
	Sodium *meta*-bisulfite see Sodium disulfite					
	Sodium bisulfite solution see Sodium hydrogen sulfite solution					
	Sodium bitartrate see Sodium hydrogen tartrate					
	Sodium borate see *di*-Sodium tetraborate					
6534	**Sodium *meta*-borate Fotopur®** $NaBO_2 \cdot 4\,H_2O$ MW 137.86 TYPE ANALYSIS: Assay of $NaBO_2 \cdot 4\,H_2O$ (acidimetric) . . . . 98.5 % pH (3% solution 20° C) about 11 Free acid (as HBO_2) . 1.0 % Free alkali (as NaOH) 0.2 % Chloride (Cl) . . . . 0.001% Sulfate (SO_4) . . . . 0.005% Heavy metals (as Pb) . 0.001% Iron (Fe) 0.003%	1	P	500 g 1 kg 5 kg 50 kg	5.30 9.— 33.75	4.65
3435	**Sodium borodeuteride** deuteration degree not less than 98% $NaBD_4$ MW 41.86			1 g	60.—	
6373	**Sodium borohydride** for synthesis (LAB) $Na[BH_4]$ MW 37.83 TYPE ANALYSIS: Assay of $Na[BH_4]$ (gas-volumetric) . . . 95% Sulfate (SO_4) . . . . 0.002% Heavy metals (as Pb) . 0.005% Iron (Fe) 0.005%	2		25 g 100 g	8.— 26.25	
6363	**Sodium bromide Suprapur®** NaBr MW 102.90 CERTIFICATE OF GUARANTEE: Lead (Pb) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Copper (Cu) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Cobalt (Co) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Nickel (Ni) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Zinc (Zn) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Iron (Fe) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Aluminium (Al) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Manganese (Mn) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Thallium (Tl) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Barium (Ba) . . . . . max. $1 \cdot 10^{-4}$ % (1 ppm) Strontium (Sr) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Calcium (Ca) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Magnesium (Mg) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Potassium (K) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Lithium (Li) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm)	1	P	25 g 250 g	12.75 91.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
6360	**Sodium bromide** dry extra pure DAB 7, BP 1968, Cod Franç 1965, NF XII, Ph Internat I, Ph Ned VI NaBr MW 102.90	0.7	500 g 1 kg 5 kg 9051/50 kg	4.25 7.50 30.50	 5.10
6361	**Sodium bromide Fotopur®** NaBr MW 102.90	0.7	1 kg 5 kg 9051/50 kg	7.50 30.50	 5.10
	Sodium d-camphorsulfonate see *d*-Camphorsulfonic acid sodium salt				
9714	**Sodium caproate** for gas chromatography $C_6H_{11}NaO_2$ MW 138.14	1.6	25 g 100 g	14.75 44.25	
6391 ○	**Sodium carbonate 10-hydrate** cryst. GR $Na_2CO_3 \cdot 10\,H_2O$ MW 286.14 CERTIFICATE OF GUARANTEE: Assay $Na_2CO_3 \cdot 10\,H_2O$ min. 99% Chloride (Cl) . max. 0.0005% Total sulfur (as SO_4) . . . max. 0.003 % Total nitrogen (N) max. 0.0005% Phosphate and silicate (as SiO_2) . . max. 0.002 % Heavy metals (as Pb) . . . . max. 0.0005% Iron (Fe) . . . . max. 0.0002% Aluminium (Al) . max. 0.0005% Calcium (Ca) . . max. 0.002 % Magnesium (Mg) max. 0.0002% Potassium (K) . max. 0.01 %	1.1	500 g 1 kg 5 kg 50 kg	3.75 5.50 22.25	 2.65
6384 ○	**Sodium carbonate 10-hydrate** cryst. extra pure DAB 7, BPC 1968, Ph Ned VI $Na_2CO_3 \cdot 10\,H_2O$ MW 286.14 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.2	1 kg 5 kg 9051/50 kg	4.25 11.75	 1.31
6397	**Sodium carbonate 1-hydrate Fotopur®** $Na_2CO_3 \cdot H_2O$ MW 124.00	0.9	1 kg 5 kg 9051/50 kg	4.75 14.25	 2.05
6386	**Sodium carbonate** dried extra pure DAB 7 $Na_2CO_3 \cdot H_2O$ MW 124.00 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.1	1 kg 5 kg 9051/50 kg	4.75 14.25	 2.05

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
6395	**Sodium carbonate** anhydrous **Suprapur**®	1.1		50 g	12.75	
	Na_2CO_3 MW 105.99			500 g	90.—	

CERTIFICATE OF GUARANTEE:

Chloride (Cl)	max. $1 \cdot 10^{-3}$ % (10 ppm)
Sulfate (SO_4)	max. $1 \cdot 10^{-3}$ % (10 ppm)
Phosphate (PO_4)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Silicate (SiO_2)	max. $5 \cdot 10^{-4}$ % (5 ppm)
Lead (Pb)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Copper (Cu)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Nickel (Ni)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Cobalt (Co)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Iron (Fe)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Zinc (Zn)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Aluminium (Al)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Manganese (Mn)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Thallium (Tl)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Magnesium (Mg)	max. $1 \cdot 10^{-5}$ % (0.1 ppm)
Calcium (Ca)	max. $5 \cdot 10^{-4}$ % (5 ppm)
Strontium (Sr)	max. $5 \cdot 10^{-4}$ % (5 ppm)
Barium (Ba)	max. $5 \cdot 10^{-4}$ % (5 ppm)
Lithium (Li)	max. $5 \cdot 10^{-5}$ % (0.5 ppm)
Potassium (K)	max. $1 \cdot 10^{-4}$ % (1 ppm)
Arsenic (As)	max. $1 \cdot 10^{-5}$ % (0.1 ppm)

6392	**Sodium carbonate** anhydrous GR	1		500 g	5.50	
	Na_2CO_3 MW 105.99			1 kg	9.—	
				5 kg	36.75	
				standard box		
				15 x 1 kg	1 kg 8.50	
				12 x 15 x 1 kg	1 kg 8.25	
				50 kg		5.45

CERTIFICATE OF GUARANTEE:

Assay of Na_2CO_3	min. 99.5%	Iron (Fe)	max. 0.0005%
Chloride (Cl)	max. 0.002 %	Aluminium (Al)	max. 0.001 %
Total sulfur (as SO_4)	max. 0.005 %	Calcium (Ca)	max. 0.005 %
Total nitrogen (N)	max. 0.001 %	Magnesium (Mg)	max. 0.0005%
Phosphate and silicate (as SiO_2)	max. 0.005 %	Potassium (K)	max. 0.01 %
Heavy metals (as Pb)	max. 0.0005%	Loss on drying (285° C)	max. 0.5 %

6394	**Sodium carbonate** anhydrous GR volumetric standard	1		250 g	5.30	
	Na_2CO_3 MW 105.99					

CERTIFICATE OF GUARANTEE:

Assay of Na_2CO_3 after drying at 285° C	99.95–100.05%	Total nitrogen (N)	max. 0.002 %
Substances insoluble in water	max. 0.007 %	Heavy metals (as Pb)	max. 0.002 %
Chloride (Cl)	max. 0.002 %	Iron (Fe)	max. 0.0005 %
Total sulfur (as SO_4)	max. 0.005 %	Aluminium (Al)	max. 0.001 %
Phosphate and silicate (as SiO_2)	max. 0.005 %	Calcium (Ca)	max. 0.005 %
		Magnesium (Mg)	max. 0.0005 %
		Potassium (K)	max. 0.03 %

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
6398	**Sodium carbonate** anhydrous extra pure BPC 1968 Na_2CO_3 MW 105.99 TYPE ANALYSIS: Assay (acidimetric) . . 99.5 % Chloride (Cl) . . . . . 0.01 % Sulfate (SO_4) . . . . 0.01 % Total nitrogen (N) . . 0.005% Heavy metals (as Pb) . 0.002% Iron (Fe) . . . . . 0.001% Calcium (Ca) . . . . . 0.01 % Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1	P □	1 kg 5 kg 50 kg	5.30 18.50	 2.50
6400001	**0.1 N Sodium carbonate solution Titrisol** (DBP No. 971 376) concentrated solution for preparation of 1 litre of 0.1 N solution			ampoule	3.50	
6423	**Sodium chlorate** GR $NaClO_3$ MW 106.44 CERTIFICATE OF GUARANTEE: Assay of $NaClO_3$ min. 99% Chloride (Cl) . . max. 0.001 % Sulfate (SO_4) . . max. 0.003 % Total nitrogen (N) max. 0.0005% Heavy metals (as Pb) . . . max. 0.001 % Iron (Fe) . . . . max. 0.0005% Calcium (Ca) . . max. 0.002 % Magnesium (Mg) max. 0.001 % Potassium (K) . max. 0.002 %	0.9	▭	250 g 1 kg	5.— 12.50	
6421	**Sodium chlorate** cryst. extra pure $NaClO_3$ MW 106.44 TYPE ANALYSIS: Assay of $NaClO_3$ (iodometric) . . . . 98.5 % Chloride (Cl) . . . . . 0.002% Sulfate (SO_4) . . . . 0.005% Total nitrogen (N) . . 0.001% Heavy metals (as Pb) . 0.002% Iron (Fe) . . . . . 0.001% Calcium (Ca) . . . . . 0.005% Potassium (K) 0.005%	0.8	▭ ▤	1 kg 5 kg 50 kg	7.50 28.—	 4.—
6420	**Sodium chlorate** cryst. $NaClO_3$ MW 106.44 TYPE ANALYSIS: Assay of $NaClO_3$ (iodometric) . . . . 98% Chloride (Cl) . . . . 0.1 % Sulfate (SO_4) . . . . 0.01 % Heavy metals (as Pb) . 0.005% Iron (Fe) 0.005%	0.8	▭ ▤	1 kg 5 kg 50 kg	5.— 18.—	 2.50

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
6406	**Sodium chloride Suprapur®** NaCl MW 58.44		50 g 500 g	10.50 70.—	

CERTIFICATE OF GUARANTEE:

Lead (Pb)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Copper (Cu)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Cobalt (Co)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Nickel (Ni)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Zinc (Zn)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Iron (Fe)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Aluminium (Al)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Manganese (Mn)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Thallium (Tl)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Barium (Ba)	max. $5 \cdot 10^{-4}$ % (5 ppm)
Strontium (Sr)	max. $3 \cdot 10^{-4}$ % (3 ppm)
Calcium (Ca)	max. $5 \cdot 10^{-5}$ % (0.5 ppm)
Magnesium (Mg)	max. $1 \cdot 10^{-5}$ % (0.1 ppm)
Lithium (Li)	max. $4 \cdot 10^{-5}$ % (0.4 ppm)
Potassium (K)	max. $1 \cdot 10^{-3}$ % (10 ppm)

6404	**Sodium chloride** cryst. GR NaCl MW 58.44	0.9	500 g 1 kg 2½ kg 5 kg standard box 15 x 1 kg 12 x 15 x 1 kg 50 kg	4.— 6.— 12.50 22.50 1 kg 5.70 1 kg 5.50	 2.60

CERTIFICATE OF GUARANTEE:

Assay of NaCl	min. 99.5%	Iron (Fe)	max. 0.0002%
pH (5% solution 20°C)	5–8	Barium (Ba)	max. 0.001 %
Sulfate (SO_4)	max. 0.001 %	Iodide (I)	max. 0.001 %
Phosphate (PO_4)	max. 0.0005%	Hexacyanoferrate ($Fe[CN]_6$)	max. 0.0001%
Bromide (Br)	max. 0.005 %	Calcium (Ca)	max. 0.002 %
Total nitrogen (N)	max. 0.001 %	Magnesium (Mg)	max. 0.001 %
Heavy metals (as Pb)	max. 0.0005%	Potassium (K)	max. 0.01 %

6405	**Sodium chloride** cryst. GR volumetric standard NaCl MW 58.44	1	500 g 1 kg 5 kg	5.30 8.50 35.—	

CERTIFICATE OF GUARANTEE:

Assay of NaCl (argentometric) after drying at 110° C	99.95–100.05%	Bromide (Br)	max. 0.01 %
Substances insoluble in water	max. 0.005 %	Total nitrogen (N)	max. 0.001 %
pH (5% solution 20° C)	5–8	Heavy metals (as Pb)	max. 0.0005 %
Sulfate (SO_4)	max. 0.002 %	Iron (Fe)	max. 0.0003 %
Phosphate (PO_4)	max. 0.0005 %	Calcium (Ca)	max. 0.002 %
		Magnesium (Mg)	max. 0.001 %
		Potassium (K)	max. 0.01 %

6412	**Sodium chloride Optipur®** NaCl MW 58.44	1	100 g 1 kg	prices on application

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
6400	**Sodium chloride** cryst. extra pure DAB 7, BP 1968, JP VII, Ph Internat I, USP XVII NaCl MW 58.44 TYPE ANALYSIS: Assay (argentometric; on dried substance) . . 99.5 % Sulfate (SO_4) . . . . 0.01 % Phosphate (PO_4) . . 0.003 % Total nitrogen (N) . . 0.002 % Heavy metals (as Pb) 0.0005% Iron (Fe) . . . . . 0.001 % Calcium (Ca) . . . . 0.002 % Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	0.9	P P standard box P	1 kg 2½ kg 5 kg 15 x 1 kg 12 x 15 x 1 kg 9051/50 kg	4.— 8.— 13.50 1 kg 3.75 1 kg 3.60	1.29
45 0001	**0.1 N Sodium chloride solution Titrisol** (DBP No. 971 376) concentrated solution for preparation of 1 litre of 0.1 N solution			ampoule	3.50	
6408	**Sodium chloride tablets** 9 g	0.9		100 tablets 1000 tablets	6.30 40.—	
6429	**Sodium chromate Selectipur®** $Na_2CrO_4 \cdot 4\,H_2O$ MW 234.03	0.8	P 	5 kg 50 kg	prices on application	
6425	**Sodium chromate** pure $Na_2CrO_4 \cdot 4\,H_2O$ MW 234.03 TYPE ANALYSIS: Assay of $Na_2CrO_4 \cdot 4\,H_2O$ (iodometric) . . . . 99% Chloride (Cl) . . . . . 0.005% Sulfate (SO_4) . . . . . 0.02 % Copper (Cu) . . . . . 0.002% Iron (Fe) . . . . . 0.002% Calcium (Ca) 0.005%	0.8	P 	500 g 1 kg 5 kg 50 kg	5.30 8.40 34.25	6.—
6427	**Sodium chromate** anhydrous extra pure Na_2CrO_4 MW 161.97 TYPE ANALYSIS: Assay of Na_2CrO_4 (iodometric) . . . . . 99.5 % Chloride (Cl) . . . . . 0.005% Sulfate (SO_4) . . . . . 0.02 % Copper (Cu) . . . . . 0.001% Iron (Fe) . . . . . 0.001% Calcium (Ca) 0.005%	0.9	P 	500 g 1 kg 5 kg 50 kg	7.60 13.25 56.—	10.—

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
6431	***tri*-Sodium citrate 5.5-hydrate** Erg B 6 $C_6H_5Na_3O_7 \cdot 5.5\,H_2O$ MW 357.16 TYPE ANALYSIS: Assay of $C_6H_5Na_3O_7 \cdot 5.5\,H_2O$ (perchloric acid titration) . . . . . 99% Chloride (Cl) . . . . 0.005 % Sulfate (SO_4) . . . . 0.005 % Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.005 % Arsenic (As) . . . . 0.0002% Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.1	P P P	**1 kg** **5 kg** **9051/50 kg**	7.— 25.25	3.75
6435	***tri*-Sodium citrate 5.5-hydrate** $C_6H_5Na_3O_7 \cdot 5.5\,H_2O$ MW 357.16 TYPE ANALYSIS: Assay of $C_6H_5Na_3O_7 \cdot 5.5\,H_2O$ (perchloric acid titration) . . . . . 99% Chloride (Cl) . . . . 0.01 % Sulfate (SO_4) . . . . 0.01 % Heavy metals (as Pb) . 0.002% Iron (Fe) 0.005%	1.3	P P P	**1 kg** **5 kg** **9051/50 kg**	6.60 24.25	3.65
6448	***tri*-Sodium citrate 2-hydrate** GR $C_6H_5Na_3O_7 \cdot 2\,H_2O$ MW 294.10 CERTIFICATE OF GUARANTEE: Assay of $C_6H_5Na_3O_7 \cdot 2\,H_2O$ . . . . . min. 99% pH (5% solution 20°C) . . . . 7.5–9 Chloride (Cl) . . max. 0.001 % Sulfate (SO_4) . . max. 0.004 % Phosphate (PO_4) max. 0.002 % Total nitrogen (N) max. 0.001 % Heavy metals (as Pb) . . . max. 0.0005% Iron (Fe) . . . . max. 0.0005%	0.9	P P P	**500 g** **1 kg** **5 kg**	7. 11.75 52.—	
6447	***tri*-Sodium citrate 2-hydrate** extra pure, for stabilisation of blood $C_6H_5Na_3O_7 \cdot 2\,H_2O$ MW 294.10 TYPE ANALYSIS: Assay of $C_6H_5Na_3O_7 \cdot 2\,H_2O$ (perchloric acid titration) . . . . . 99% Substances insoluble in water . . . . . 0.005 % pH (5% solution 20°C) 7.5–9 Chloride (Cl) . . . . 0.003 % Sulfate (SO_4) . . . . 0.005 % Phosphate (PO_4) . . 0.002 % Total nitrogen (N) . . 0.003 % Heavy metals (as Pb) 0.0005% Iron (Fe) . . . . . 0.001 % Arsenic (As) . . . . 0.0002% Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	0.9	P P P P	**1 kg** **5 kg** **50 kg** **5 x 50 kg**	10.50 42.—	6.70 6.60

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
3432	***tri*-Sodium citrate 2-hydrate** DAB 7, BP 1968, USP XVII $C_6H_5Na_3O_7 \cdot 2\,H_2O$ MW 294.10 TYPE ANALYSIS: Assay of $C_6H_5Na_3O_7 \cdot 2\,H_2O$ (perchloric acid titration) . . . . . 99% Free alkali (as NaOH) 0.04 % Chloride (Cl) . . . . . 0.003% Sulfate (SO_4) . . . . 0.005% Heavy metals (as Pb) . 0.001%	1	P 1 kg 5 kg 9051 50 kg	7.50 26.75	4.20
3446	***tri*-Sodium citrate 2-hydrate** fine powder BP 1963 $C_6H_5Na_3O_7 \cdot 2\,H_2O$ MW 294.10	1.5	1 kg 5 kg 9051 50 kg	7.60 28.50	4.45
	Sodium citrate solution (3.8% $C_6H_5Na_3O_7 \cdot 5.5\,H_2O$) for erythrocyte sedimentation rate acc. to Westergren 1 l = 1.01 kg				
3360	ampoules of 1 ml		10 amp. 100 amp.	3.75 19.—	
3361	special bottles		100 ml	2.65	
	Sodium cobaltinitrite see Sodium hexanitrocobaltate(III)				
3138	**Sodium cyanide** GR NaCN MW 49.01 CERTIFICATE OF GUARANTEE: Assay of NaCN . min. 96% Chloride (Cl) . . max. 0.01 % Sulfate (SO_4) . . max. 0.01 % Sulfide (S) . . . max. 0.001 % Thiocyanate (SCN) max. 0.01 % Lead (Pb) . . . . max. 0.0005% Copper (Cu) . . . max. 0.0005% Iron (Fe) . . . . max. 0.001 % Potassium (K) . . max. 0.1 %	1.1	P 250 g 1 kg	9.50 29.50	
3139	**Sodium cyanide** powder (equiv. to about 125% KCN) NaCN MW 49.01 TYPE ANALYSIS: Assay of NaCN (argentometric) . . . 95% Chloride (Cl) . . . . 0.05 % Sulfide (S) . . . . . 0.02 % Hexacyanoferrate(II) $[Fe(CN)_6^{-4}]$ . . . . . 0.05 % Lead (Pb) 0.005%	1.1	500 g 1 kg 2½ kg 50 kg	4.25 6.30 13.25	2.75

		Volume			Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
					DM	DM
6504	**Sodium deoxycholate** for bacteriology $C_{24}H_{39}NaO_4$ MW 414.57	1.9	P	25 g 100 g 250 g	11.25 35.75 87.—	
	Sodium deoxycholate citrate agar see Deoxycholate citrate agar acc. to Leifson modified					
	Sodium deuterooxide solution see Deuterosodium hydroxide solution					
6334	*di*-**Sodium deuterophosphate** deuteration degree not less than 99% Na_2DPO_4 MW 142.97			10 g	42.50	
6336	**Sodium dichromate** GR $Na_2Cr_2O_7 \cdot 2\,H_2O$ MW 298.00 CERTIFICATE OF GUARANTEE: Assay of $Na_2Cr_2O_7 \cdot 2\,H_2O$ min. 99% Chloride (Cl) . . . max. 0.001% Sulfate (SO_4) . . max. 0.005% Lead (Pb) . . . . max. 0.005% Copper (Cu) . . . max. 0.001% Iron (Fe) . . . . . max. 0.002% Calcium (Ca) . . . max. 0.002% Potassium (K) . . max. 0.005%	0.8	P	250 g 1 kg	6.60 20.—	
6335	**Sodium dichromate** cryst. $Na_2Cr_2O_7 \cdot 2\,H_2O$ MW 298.00	0.8	P P P	1 kg 5 kg 9051/50 kg	5.— 15.75	2.50
	Sodium diethylbarbiturate see Barbital sodium					
6689	**Sodium diethyldithiocarbamate** (trihydrate) GR (reagent for copper) $C_5H_{10}NNaS_2 \cdot 3\,H_2O$ MW 225.31 CERTIFICATE OF GUARANTEE: Assay (perchloric acid titration; on anhydrous substance) min. 99% Water . . . . . 23–24% Sulfated ash . . . . 30.5–32.5% Suitability for determination of copper . . . . passes test	1.3	P	25 g 100 g	4.— 8.—	
6341	**Sodium dihydrido-bis(2-methoxyethoxo)-aluminate** about 70% in benzene for synthesis (LAB) $C_6H_{16}AlNaO_4$ MW 202.16 1 l = 1.03 kg			100 ml	30.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Sodium dihydrogen hypophosphite see Sodium hypophosphite				
345	**Sodium dihydrogen phosphate 2-hydrate** extra pure Erg B 6, BP 1968 $NaH_2PO_4 \cdot 2\,H_2O$ MW 156.01 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1	P **1 kg** **5 kg** **9051/50 kg**	6.30 20.50	3.—
343	**Sodium dihydrogen phosphate 2-hydrate** purified $NaH_2PO_4 \cdot 2\,H_2O$ MW 156.01	1.2	P **1 kg** **5 kg** **9051/50 kg**	5.30 15.75	2.25
346	**Sodium dihydrogen phosphate 1-hydrate** GR $NaH_2PO_4 \cdot H_2O$ MW 137.99 CERTIFICATE OF GUARANTEE: Assay of $NaH_2PO_4 \cdot H_2O$ . . . . min. 99% pH (5% solution) 4.3–4.5 Chloride (Cl) . max. 0.0005 % Sulfate (SO_4) . . max. 0.005 % Total nitrogen(N) max. 0.001 % Heavy metals (as Pb) . . . max. 0.0005 % Iron (Fe) . . . max. 0.0005 % Arsenic (As) . max. 0.00005% Potassium (K) . max. 0.005 %	0.9	P **500 g** **1 kg**	7.— 12.25	
	Sodium-3,4-dihydro-2H-pyran-2-carboxylate see 3,4-Dihydro-2H-pyran-2-carboxylic acid sodium salt				
	di-Sodium 4,5-dihydroxy-1,3-benzenedisulfonate see 3,5-Pyrocatechol-disulfonic acid disodium salt				
	Sodium 2,5-dihydroxybenzoate see Gentisic acid sodium salt				
	Sodium 4-(dimethylamino)-azobenzene-4'-sulfonate see Methyl orange				
	Sodium dioctylsulfosuccinate see Dioctyl sodium sulfosuccinate				
	Sodium dioxoarsenate(III) see Sodium *meta*-arsenite				
462	**Sodium diphenylide** in ethylene glycol dimethyl ether GR $C_{12}H_{10}Na$ MW 177.20 1 l = 0.90 kg		**20 ml** **5 x 20 ml**	6.60 6.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packag fob incl. pac Prices per DM
6591	*tetra*-**Sodium diphosphate 10-hydrate** (*tetra*-sodium pyrophosphate) GR $Na_4P_2O_7 \cdot 10\,H_2O$ MW 446.06 CERTIFICATE OF GUARANTEE: Assay of $Na_4P_2O_7 \cdot 10\,H_2O$ min. 99%; Chloride (Cl) . . max. 0.001 %; *ortho*-Phosphate (PO_4) . . . . max. 0.1 %; Total nitrogen (N) max. 0.001 % Heavy metals (as Pb) . . . max. 0.0005%; Iron (Fe) . . . . max. 0.0005%; Potassium (K) . max. 0.005 %; Arsenic (As) . . max. 0.0001%	1.2	P P P	500 g 1 kg 2½ kg	5.— 9.— 21.—	
6590	*tetra*-**Sodium diphosphate 10-hydrate** (*tetra*-sodium pyrophosphate) cryst. $Na_4P_2O_7 \cdot 10\,H_2O$ MW 446.06	1.1	P P 9051/50 kg	1 kg 5 kg	4.75 15.75 2.25
6592	*tetra*-**Sodium diphosphate 10-hydrate** (*tetra*-sodium pyrophosphate) powder $Na_4P_2O_7 \cdot 10\,H_2O$ MW 446.06	1.2	P P 9051/50 kg	1 kg 5 kg	5.— 17.— 2.50
6528	**Sodium disulfite** (sodium *meta*-bisulfite) dry GR $Na_2S_2O_5$ MW 190.10 CERTIFICATE OF GUARANTEE: Assay of $Na_2S_2O_5$ min. 98 %; Chloride (Cl) . max. 0.005 %; Lead (Pb) . . . max. 0.001 %; Copper (Cu) . . max. 0.001 % Iron (Fe) . . . max. 0.0005 %; Zinc (Zn) . . . . max. 0.001 %; Arsenic (As) . max. 0.00005%	0.9	P P P	500 g 1 kg 5 kg	4.75 7.10 28.50	
6357	**Sodium disulfite** (sodium *meta*-bisulfite) dry extra pure Erg B 6, BP 1968, USP XVII $Na_2S_2O_5$ MW 190.10 TYPE ANALYSIS: Assay (iodometric) . 96%; Chloride (Cl) . . . . 0.01 %; Heavy metals (as Pb) 0.005 % Iron (Fe) . . . . . 0.002 %; Arsenic (As) . . . . 0.0004% Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	0.9	P P 9051/50 kg	1 kg 5 kg	5.— 16.50 2.50
6355	**Sodium disulfite** (sodium *meta*-bisulfite) dry, technical $Na_2S_2O_5$ MW 190.10 TYPE ANALYSIS: Assay (iodometric) . . 95 %; Chloride (Cl) . . . . . 0.05% Iron (Fe) 0.01%	0.9	9051/50 kg		1.56

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			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
507	•|•	**Sodium dithionite** (LAB) $Na_2S_2O_4$ MW 174.11 TYPE ANALYSIS: Assay of $Na_2S_2O_4$ (iodometric) . . . . . 87% Chloride (Cl) . . . . . 0.01 % Iron (Fe) 0.002%	0.8		500 g 1 kg 2½ kg	6.60 12.— 27.50	
505	•|•	**Sodium dithionite** technical $Na_2S_2O_4$ MW 174.11 TYPE ANALYSIS: Assay of $Na_2S_2O_4$ (iodometric) . . . . . 85% Chloride (Cl) . . . . 0.05 % Iron (Fe) 0.005%	0.8		500 g 1 kg 5 kg 50 kg 5 x 50 kg	5.— 8.50 31.50	4.75 4.50
450		**Sodium fluoride Suprapur®** NaF MW 41.99 CERTIFICATE OF GUARANTEE: Lead (Pb) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Copper (Cu) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Nickel (Ni) . . . . . max. $5 \cdot 10^{-7}$ % (0.005 ppm) Cobalt (Co) . . . . . max. $5 \cdot 10^{-7}$ % (0.005 ppm) Iron (Fe) . . . . . max. $2 \cdot 10^{-5}$ % (0.2 ppm) Zinc (Zn) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Manganese (Mn) . . . . . max. $2 \cdot 10^{-5}$ % (0.2 ppm) Calcium (Ca) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Lithium (Li) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Potassium (K) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm)	1	P	25 g 250 g	14.75 105.—	
49		**Sodium fluoride** GR NaF MW 41.99 CERTIFICATE OF GUARANTEE: Assay of NaF . . . min. 99% Substances insoluble in water . . . . max. 0.02 % Free acid (as HF) max. 0.05 % Free alkali (as NaOH) . . max. 0.05 % Chloride (Cl) . . . max. 0.003% Sulfate (SO_4) . . . max. 0.02 % Hexafluorosilicate (as SiF_6) . . . max. 0.1 % Heavy metals (as Pb) . . . . max. 0.001 % Copper (Cu) . . . max. 0.0005% Iron (Fe) . . . . max. 0.002 % Loss on drying (150° C) . . . . max. 0.2 %	2	P	100 g 250 g 1 kg	4.25 8.25 24.25	
456		**Sodium fluoride** granular **Patinal®** particle size less than 1 mm NaF MW 41.99	0.7	P	100 g 1 kg	65.— price on application	
454		**Sodium fluoride** granular **Patinal®** particle size about 1–4 mm NaF MW 41.99	0.6	P	100 g 1 kg	70.— price on application	
441		**Sodium fluoride** pure Erg B 6 NaF MW 41.99	1.2	P	500 g 1 kg 5 kg 9051/50 kg	6.10 10.— 42.—	6.60

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
6455	**Sodium formaldehyde sulfoxylate** for synthesis (LAB) $CH_3NaO_3S \cdot x\,H_2O$ MW 118.09 (anhydrous) TYPE ANALYSIS: Assay (chloramine titration; on anhydrous substance) . . . . . 85% Sulfated ash (on anhydrous substance) 51–66% Loss on drying (105°C) 8–15%	0.9	P 1 kg	10.—	
6443	**Sodium formate** GR HCOONa MW 68.01 CERTIFICATE OF GUARANTEE: Assay (of HCOONa) . min. 99.5% pH (5% solution 20° C) . . . . . 7–8.5 Chloride (Cl) . . max. 0.001 % Sulfate (SO_4) . . max. 0.005 % Heavy metals (as Pb) . . . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Calcium (Ca) . . max. 0.0005% Loss on drying (150° C) . . . max. 0.5 %	1	P 250 g 1 kg	5.80 15.75	
6444	**Sodium formate** pure HCOONa MW 68.01 TYPE ANALYSIS: Assay of HCOONa (oxidimetric) . . . . 99% Chloride (Cl) . . . . . 0.003% Sulfate (SO_4) . . . . 0.05 % Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.001% Calcium (Ca) . . . . . 0.01 % Loss on drying (150°C) 0.5 %	1	P 1 kg 5 kg 9051/50 kg	7.10 28.—	 4.65
6442	**Sodium formate** HCOONa MW 68.01	1	P 2½ kg 9051/50 kg	11.—	 2.40
	Sodium gentisate see Gentisic acid sodium salt				
6445	**Sodium** L(+)**glutamate** pure $C_5H_8NNaO_4 \cdot H_2O$ MW 187.13 TYPE ANALYSIS: Assay (on dried substance) . . . 99% Melting-range . . . 225–235° C Specific rotation ($[\alpha]_D^{20}$°; c = 5; 1 N HCl) +27.3° to +28.3° Chloride (Cl) . . . 0.01% Sulfate (SO_4) . . . 0.001 % Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.0005% Ammonium (NH_4) . 0.0005% Water (acc. to Karl Fischer) . . . 9.2–10.0%	2.1	P 250 g 1 kg 5 kg	4.75 12.75 53.—	
4164	**Sodium glycerophosphate** Erg B 6, NF X $C_3H_7Na_2O_6P \cdot 5\,H_2O$ MW 306.12	1.9	P 250 g 1 kg 5 kg 50 kg	5.30 15.75 70.—	 11.80
4160	**Sodium glycerophosphate solution** 50% BPC 1963 1 l = 1.29 kg		500 ml 1 l 2½ l 50 kg	5.30 9.— 18.50	 4.95

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4168		**Sodium β-glycerophosphate** for determination of phosphatase $C_3H_7Na_2O_6P \cdot 5\,H_2O$ MW 306.12 CERTIFICATE OF GUARANTEE: Assay of $C_3H_7Na_2O_6P \cdot 5\,H_2O$ . . . . . min. 97% Free alkali (as NaOH) . . . max. 0.5% Phosphate (PO_4) max. 0.05 % Heavy metals (as Pb) . . . max. 0.002 % Arsenic (As) . . max. 0.0005%	1.5	P	25 g 100 g 250 g	3.75 7.10 15.25	
2521		**Sodium hexanitrocobaltate(III)** (sodium cobaltinitrite) GR $Na_3[Co(NO_2)_6]$ MW 403.94 CERTIFICATE OF GUARANTEE: Chloride (Cl) . . max. 0.005% Sulfate (SO_4) . . max. 0.01 % Iron (Fe) . . . . max. 0.002%	1.8	P	25 g 100 g 250 g	5.30 15.— 35 75	
6836	•I•	**Sodium hydride suspension** 20% in white oil for synthesis (LAB) 1 l = 1.00 kg			100 ml 500 ml	8.— 29.—	
6284		*di*-**Sodium hydrogen arsenate** (sodium arsenate) GR $Na_2HAsO_4 \cdot 7\,H_2O$ MW 312.01 CERTIFICATE OF GUARANTEE: Assay of $Na_2HAsO_4 \cdot 7\,H_2O$ (iodometric) . min. 98.5% Substances insoluble in water . . . max. 0.005 % Chloride (Cl) . . max. 0.002 % Sulfate (SO_4) . max. 0.002 % Nitrate (NO_3) . max. 0.002 % Lead (Pb) . . . max. 0.0008% Iron (Fe) . . . . max. 0.0003% Arsenic(III) salts (as As_2O_3) . . max. 0.002 %	1.1	P	250 g 1 kg	7.25 22.50	
329		**Sodium hydrogen carbonate** GR $NaHCO_3$ MW 84.01 CERTIFICATE OF GUARANTEE: Assay of $NaHCO_3$ min. 99.5 % Chloride (Cl) . . max. 0.001% Sulfate (SO_4) . . max. 0.003% Phosphate and silicate (as SiO_2) . . . max. 0.008% Total nitrogen (N) max. 0.001% Heavy metals (as Pb) . . . . . max. 0.001% Iron (Fe) . . . . max. 0.001% Calcium (Ca) . . max. 0.005% Magnesium (Mg) max. 0.005% Potassium (K) . . max. 0.005% Substances reducing iodine (as HCOOH) . max. 0.005%	1	P	500 g 1 kg 5 kg standard box 15 x 1 kg 1 kg 6.10 12 x 15 x 1 kg 1 kg 5.90 50 kg	4.— 6.50 27.50	3.50

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
6323	**Sodium hydrogen carbonate** powder extra pure DAB 7, USP XVII $NaHCO_3$ MW 84.01	1	2½ kg 5 kg 9051/50 kg	6.50 11.—	 1.38

TYPE ANALYSIS:

Assay of $NaHCO_3$ (acidimetric)	99.5 %	Total nitrogen (N)	0.002 %
Chloride (Cl)	0.007%	Heavy metals (as Pb)	0.0005%
Sulfate (SO_4)	0.01 %	Iron (Fe)	0.001 %
Phosphate (PO_4)	0.005%	Magnesium (Mg)	0.005 %

Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.

6579 ○	*di*-**Sodium hydrogen phosphate 12-hydrate** GR $Na_2HPO_4 \cdot 12\,H_2O$ MW 358.14	1	P 500 g 1 kg 5 kg 50 kg	4.75 8.— 32.75	 4.62

CERTIFICATE OF GUARANTEE:

Assay of $Na_2HPO_4 \cdot 12\,H_2O$	min. 99%	Sulfate (SO_4)	max. 0.005 %
Substances insoluble in water	max. 0.005 %	Total nitrogen (N)	max. 0.0002 %
pH (5% solution 20°C)	9.0–9.3	Heavy metals (as Pb)	max. 0.0005 %
Chloride (Cl)	max. 0.0005 %	Iron (Fe)	max. 0.0005 %
		Potassium (K)	max. 0.005 %
		Arsenic (As)	max. 0.00005%

6573 ○	*di*-**Sodium hydrogen phosphate 12-hydrate** (about 39.2% Na_2HPO_4) cryst. extra pure DAB 7, BP 1968, Cod Franç 1965 $Na_2HPO_4 \cdot 12\,H_2O$ MW 358.14	1.2	P 1 kg 5 kg 9051/50 kg	4.25 12.75	 1.50

TYPE ANALYSIS:

Assay of $Na_2HPO_4 \cdot 12\,H_2O$	99%	Heavy metals (as Pb)	0.0005%
Chloride (Cl)	0.001 %	Iron (Fe)	0.001 %
Sulfate (SO_4)	0.01 %	Potassium (K)	0.01 %
Total nitrogen (N)	0.001 %	Arsenic (As)	0.0001%

Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
6574	***di*-Sodium hydrogen phosphate** (about 50–55% Na_2HPO_4) dried extra pure Erg B 6 about $Na_2HPO_4 \cdot 7H_2O$	1.5		1 kg 5 kg 50 kg	6.80 26.25	 3.75
6580	***di*-Sodium hydrogen phosphate 2-hydrate** GR $Na_2HPO_4 \cdot 2H_2O$ MW 177.99 CERTIFICATE OF GUARANTEE: Assay of $Na_2HPO_4 \cdot 2H_2O$ . . . . . min. 99.5 % pH (5% solution) . 9.1–9.4 Chloride (Cl) . . . max. 0.001% Sulfate (SO_4) . . . max. 0.005% Total nitrogen (N) max. 0.001% Heavy metals (as Pb) . . . . max. 0.001 % Iron (Fe) . . . . max. 0.001 % Arsenic (As) . . max. 0.00005% Potassium (K) . max. 0.005 %	0.8	P	500 g 1 kg 5 kg	6.80 12.25 50.--	
6576	***di*-Sodium hydrogen phosphate 2-hydrate** (about 80% Na_2HPO_4) pure $Na_2HPO_4 \cdot 2H_2O$ MW 177.99	1.3		1 kg 5 kg 9051/50 kg	5.— 18.50	 2.45
6586	***di*-Sodium hydrogen phosphate** (about 98% Na_2HPO_4) (LAB) Na_2HPO_4 MW 141.96 TYPE ANALYSIS: Assay of Na_2HPO_4 . . 98% Chloride (Cl) . . . . 0.002 % Sulfate (SO_4) . . . . 0.02 % Total nitrogen (N) . . 0.001 % Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.001 % Potassium (K) . . . . 0.01 % Arsenic (As) 0.0001%	1.7	P	500 g 1 kg 50 kg	7.50 12.75	 7.50
6585	***di*-Sodium hydrogen phosphate** (about 98% Na_2HPO_4) extra pure Cod Franç 1965 Na_2HPO_4 MW 141.96	1.3	P	5 kg 50 kg	36.75	 4.20
6587	**1/15 M *di*-Sodium hydrogen phosphate solution** (buffer stock solution) 1 l = 1.00 kg		P	500 ml 1 l	5.25 8.50	
6590	**Sodium hydrogen selenite** for testing the germinating power of seeds $NaHSeO_3$ MW 150.96	0.7	P	25 g 100 g	16.50 56.—	
6591	**Sodium hydrogen selenite** for bacteriology $NaHSeO_3$ MW 150.96	0.7	P	25 g 100 g	16.50 56.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
6352	**Sodium hydrogen sulfate 1-hydrate** GR $NaHSO_4 \cdot H_2O$ MW 138.07 CERTIFICATE OF GUARANTEE: Assay of $NaHSO_4 \cdot H_2O$ min. 99 %; Chloride (Cl) max. 0.001 %; Phosphate (PO_4) max. 0.0005%; Total nitrogen (N) max. 0.001 %; Heavy metals (as Pb) max. 0.0005%; Iron (Fe) max. 0.0005%; Aluminium (Al) max. 0.001 %; Magnesium (Mg) max. 0.0005%; Calcium (Ca) max. 0.001 %; Potassium (K) max. 0.002 %	0.9	P	500 g 1 kg	5.80 10.—	
6350	**Sodium hydrogen sulfate 1-hydrate** pure $NaHSO_4 \cdot H_2O$ MW 138.07 TYPE ANALYSIS: Assay of $NaHSO_4 \cdot H_2O$ (acidimetric) 99%; Chloride (Cl) 0.003%; Heavy metals (as Pb) 0.004%; Iron (Fe) 0.003%; Calcium (Ca) 0.01 %	0.8	P □	1 kg 5 kg 50 kg	5.25 21.—	2.90
6351	**Sodium hydrogen sulfate** pure $NaHSO_4$ MW 120.06 TYPE ANALYSIS: Assay of $NaHSO_4$ (acidimetric) 99%; Chloride (Cl) 0.003%; Heavy metals (as Pb) 0.004%; Iron (Fe) 0.003%; Calcium (Ca) 0.01 %; Loss on drying (105°C) 1%	1	P □	1 kg 5 kg 50 kg	6.30 24.75	3.80
6356	**Sodium hydrogen sulfite solution** about 37–39%, technical		P	60 kg		1.44
6359	**Sodium hydrogen tartrate** powder $C_4H_5NaO_6 \cdot H_2O$ MW 190.09 TYPE ANALYSIS: Assay of $C_4H_5NaO_6 \cdot H_2O$ (acidimetric) 99%; Chloride (Cl) 0.005%; Sulfate (SO_4) 0.005%; Heavy metals (as Pb) 0.002%; Iron (Fe) 0.003%	1.3	P □	500 g 1 kg 9051/50 kg	5.80 10.—	7.50
	Sodium hydrosulfite see Sodium dithionite					
6495	**Sodium hydroxide** pellets (max. 0.0002% K) GR NaOH MW 40.00 CERTIFICATE OF GUARANTEE: Assay of NaOH min. 99%; Assay of Na_2CO_3 max. 1 %; Chloride (Cl) max. 0.0005 %; Sulfate (SO_4) max. 0.0005 %; Phosphate (PO_4) max. 0.0001 %; Silicate (SiO_2) max. 0.0005 %; Total nitrogen (N) max. 0.0003 %; Lead (Pb) max. 0.00001 %; Copper (Cu) max. 0.00005 %; Nickel (Ni) max. 0.0001 %; Iron (Fe) max. 0.0005 %; Zinc (Zn) max. 0.00001 %; Cadmium (Cd) max. 0.00001 %; Aluminium (Al) max. 0.0002 %; Manganese (Mn) max. 0.00005 %; Calcium (Ca) max. 0.0005 %; Potassium (K) max. 0.0002 %	0.9	P	250 g 1 kg 5 kg	8.75 27.50 120.—	

			Volume	Standard packages fob incl. all packing Prices per container DM		Bulk packages fob incl. packing Prices per kg DM
6498	•I•	**Sodium hydroxide** pellets extra pure GR NaOH MW 40.00 CERTIFICATE OF GUARANTEE: Assay of NaOH . min. 99% Assay of Na_2CO_3 max. 1.0 % Chloride (Cl) . . max. 0.0005% Sulfate (SO_4) . max. 0.0005% Phosphate (PO_4) max. 0.0005% Silicate (SiO_2) . max. 0.001 % Nickel (Ni) . . . max. 0.005 % Calcium (Ca) . . max. 0.0005% Total nitrogen (N) max. 0.0003% Heavy metals (as Pb) . . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Aluminium (Al) . max. 0.0005% Potassium (K) . . max. 0.05 %	0.9	P 500 g 1 kg 5 kg standard box 15 x 1 kg 12 x 15 x 1 kg 50 kg 2 x 50 kg	4.— 6.50 27.50 1 kg 6.— 1 kg 5.75		 3.60 3.50
6497	•I•	**Sodium hydroxide** pellets **Selectipur**® NaOH MW 40.00	0.9	P 5 kg 25 kg 50 kg	prices on application		
6482	•I•	**Sodium hydroxide** pellets extra pure DAB 7, BP 1968, JP VII, Ph Internat I, USP XVII NaOH MW 40.00 TYPE ANALYSIS: Assay of NaOH . . . 98% Carbonate (as Na_2CO_3) 1 % Chloride (Cl) . . . . 0.005 % Sulfate (SO_4) . . . . 0.003 % Phosphate (PO_4) . . 0.002 % Silicate (SiO_2) . . . 0.01 % Total nitrogen (N) . . 0.0005% Heavy metals (as Pb) 0.0005% Iron (Fe) . . . . . 0.001 % Aluminium (Al) . . . 0.001 % Calcium (Ca) . . . . 0.002 %	0.9	P 500 g 1 kg 5 kg standard box 15 x 1 kg 12 x 15 x 1 kg 50 kg 2 x 50 kg	3.50 5.50 20.— 1 kg 5.— 1 kg 4.75		 3.40 3.25
6453	•I•	**Sodium hydroxide** pellets, for the manufacture of mirrors NaOH MW 40.00	0.9	5 kg 50 kg 2 x 50 kg	20.—		 3.40 3.25
6462	•I•	**Sodium hydroxide** pellets pure NaOH MW 40.00 TYPE ANALYSIS: Assay of NaOH . . . . 97% Carbonate (as Na_2CO_3) 1 % Chloride (Cl) . . . . . 0.01 % Sulfate (SO_4) . . . . . 0.01 % Heavy metals (as Pb) . . . . . 0.002% Iron (Fe) . . . . . 0.002% Aluminium (Al) 0.002%	0.9	P 1 kg 5 kg standard box 15 x 1 kg 12 x 15 x 1 kg 50 kg 2 x 50 kg	5.— 17.50 1 kg 4.50 1 kg 4.25		 3.15 3.—
6463	•I•	**Sodium hydroxide** flake NaOH MW 40.00	1.2	10 kg 50 kg			2.57 1.44

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
6470	**Sodium hydroxide** sticks pure BP 1963 NaOH MW 40.00	1	500 g 5 kg 12 x 5 kg	6.30 47.25 44.25	
5588	**Sodium hydroxide solution** 10% (1.109) GR 1 l = 1.11 kg		1 l	6.30	
5594	**Sodium hydroxide solution** 20% GR (for determination of blood sugar acc. to Crecelius-Seifert) 1 l = 1.22 kg		1 l	6.10	
5591	**Sodium hydroxide solution** min. 27% (1.30) GR (for determination of nitrogen) 1 l = 1.30 kg		500 ml 2½ l 60 kg	4.50 14.75	 2.40
5569	**Sodium hydroxide solution** min. 30% **Suprapur** 1 l = 1.33 kg		250 ml 1 l	37.75 132.—	

CERTIFICATE OF GUARANTEE:

Assay of NaOH (acidimetric)	min. 27%	Silicate (SiO_2)	max. 0.003 %
Assay of Na_2CO_3 (acidimetric)	max. 1.0 %	Total nitrogen (N)	max. 0.0005%
Chloride (Cl)	max. 0.002 %	Heavy metals (as Pb)	max. 0.0005%
Sulfate (SO_4)	max. 0.001 %	Iron (Fe)	max. 0.0005%
Phosphate (PO_4)	max. 0.0005%	Aluminium (Al)	max. 0.0005%

CERTIFICATE OF GUARANTEE:

Assay	min. 30%
Chloride (Cl)	max. $1 \cdot 10^{-4}$ % (1 ppm)
Sulfate (SO_4)	max. $5 \cdot 10^{-4}$ % (5 ppm)
Phosphate (PO_4)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Silicate (SiO_2)	max. $5 \cdot 10^{-4}$ % (5 ppm)
Lead (Pb)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Copper (Cu)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Nickel (Ni)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Cobalt (Co)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Iron (Fe)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Zinc (Zn)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Aluminium (Al)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Manganese (Mn)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Thallium (Tl)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Magnesium (Mg)	max. $2 \cdot 10^{-5}$ % (0.2 ppm)
Calcium (Ca)	max. $1 \cdot 10^{-4}$ % (1 ppm)
Strontium (Sr)	max. $1 \cdot 10^{-4}$ % (1 ppm)
Barium (Ba)	max. $1 \cdot 10^{-3}$ % (10 ppm)
Lithium (Li)	max. $5 \cdot 10^{-5}$ % (0.5 ppm)
Potassium (K)	max. $1 \cdot 10^{-4}$ % (1 ppm)
Arsenic (As)	max. $5 \cdot 10^{-5}$ % (0.5 ppm)

	Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
0 •|• **Sodium hydroxide solution** min. 32% (1.35) GR (for determination of nitrogen)	1 l = 1.35 kg	500 ml 4.75 2½ l 15.75 60 kg	2.50
CERTIFICATE OF GUARANTEE: Assay of NaOH (acidimetric) . min. 32%; Assay of Na_2CO_3 (acidimetric) . max. 1.0 %; Chloride (Cl) . max. 0.002 %; Sulfate (SO_4) . max. 0.001 %; Phosphate (PO_4) max. 0.0005%; Silicate (SiO_2) . max. 0.003 %; Total nitrogen (N) max. 0.0005%; Heavy metals (as Pb) . . . max. 0.0005%; Iron (Fe) . . . . max. 0.0005%; Aluminium (Al) . max. 0.0005%			
587 •|• **Sodium hydroxide solution** about 32% (1.35) pure	1 l = 1.35 kg	5 l 16.75 60 kg 5 x 60 kg	1.50 1.44
6/0001 •|• **1 N Sodium hydroxide solution Titrisol** (DBP No. 971 376 and 975 054) concentrated solution for preparation of 1 litre of 1 N solution		ampoule 4.75	
/0001 •|• **0.5 N Sodium hydroxide solution Titrisol** (DBP No. 971 376 and 975 054) concentrated solution for preparation of 1 litre of 0.5 N solution		ampoule 4.25	
3/0001 •|• **0.25 N Sodium hydroxide solution Titrisol** (DBP No. 971 376 and 975 054) concentrated solution for preparation of 1 litre of 0.25 N solution		ampoule 4.25	
/0001 **0.1 N Sodium hydroxide solution Titrisol** (DBP No. 971 376 and 975 054) concentrated solution for preparation of 1 litre of 0.1 N solution		ampoule 3.50	
/0001 **0.01 N Sodium hydroxide solution Titrisol** (DBP No. 971 376 and 975 054) concentrated solution for preparation of 1 litre of 0.01 N solution		ampoule 3.50	
Sodium hydroxide solution Titrisol (DBP No. 971 376 and 975 054) for determination of phosphorus in iron:			
4/0001 •|• for **1 litre 1/1.349 N solution** (1 ml = 0.1% phosphorus in 1 g of sample) or for **5 litres 1/6.745 N solution** (1 ml = 0.01% phosphorus in 2 g of sample)		ampoule 3.50	
5/0001 •|• for **1 litre 1/6.745 N solution** (1 ml = 0.01% phosphorus in 2 g of sample)		ampoule 3.50	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Sodium hydroxide-d solution see Deuterosodium hydroxide solution					
	Sodium 2-hydroxy-1-nitroso-3,6-naphthalenedisulfonate see Nitroso R salt					
4646	**Sodium hypophosphite** extra pure Erg B 6, NF X $NaH_2PO_2 \cdot H_2O$ MW 105.99	1	P	250 g 1 kg 5 kg 50 kg	5.25 16.25 75.— price on application	
6525	**Sodium iodate** GR $NaIO_3$ MW 197.89 CERTIFICATE OF GUARANTEE: Assay of $NaIO_3$. min. 99.5% pH (5% solution 20° C) . . . . 5–8 Chloride, chlorate and bromide, bromate (as Cl) max. 0.02 % Iodide (I) . . . . max. 0.002 % Sulfate (SO_4) . . max. 0.005 % Total nitrogen (N) max. 0.002 % Heavy metals (as Pb) . . . . max. 0.0005% Iron (Fe) . . . . max. 0.001 % Potassium (K) . max. 0.02 %	0.8		25 g 100 g	5.50 13.75	
6519	**Sodium iodide Suprapur®** NaI MW 149.89 CERTIFICATE OF GUARANTEE: Lead (Pb) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Copper (Cu) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Cobalt (Co) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Nickel (Ni) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Zinc (Zn) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Iron (Fe) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Aluminium (Al) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Manganese (Mn) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Thallium (Tl) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Barium (Ba) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Strontium (Sr) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Calcium (Ca) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Magnesium (Mg) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Potassium (K) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm)	1	P	50 g 500 g	12.75 88.—	

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		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
523	**Sodium iodide** GR NaI MW 149.89 CERTIFICATE OF GUARANTEE: Assay (NaI) . . min. 99.5% pH (5% solution) 6–9 Chloride and bromide (as Cl) max. 0.01 % Sulfate (SO_4) . max. 0.002 % Iodate (IO_3) . . max. 0.0002 % Total nitrogen (N) . . . . . max. 0.002 % Lead (Pb) . . . max. 0.0001 % Copper (Cu) . . max. 0.0001 % Nickel (Ni) . . . max. 0.00001% Iron (Fe) . . . . max. 0.0005 % Calcium (Ca) . . max. 0.001 % Potassium (K) . max. 0.01 % Loss on drying (105° C) . . . max. 0.5 %	0.6	P	100 g 250 g 1 kg	5.80 12.75 42.—	
517	**Sodium iodide Selectipur®** NaI MW 149.89	0.6	P	5 kg case 50 kg (2 tins of 25 kg)	prices on application	
520	**Sodium iodide** extra pure DAB 7, BP 1968, Cod Franç 1965, Ph Internat I, USP XVII NaI MW 149.89 TYPE ANALYSIS: Assay (argentometric) 99.5% Sulfate (SO_4) . . . . 0.005 % Chloride and bromide (as Cl) . . . . . 0.03 % Total nitrogen (N) . . 0.002 % Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.0005% Barium (Ba) . . . . . 0.005 % Potassium (K) . . . . 0.01 %	0.6	P ▭	250 g 1 kg 5 kg 12½ kg 4 x 12½ kg	9.50 30.50 146.— prices on application	
	Sodium 7-iodo-8-hydroxy-5-quinolinesulfonate see Chiniofon					
22	**Sodium lactate solution** about 50% pure DAB 7 1 l = 1.28 kg		▲ P	500 ml 2½ l 35 kg	7.10 27.50	5.80
	Sodium lauryl sulfate see Dodecyl hydrogen sulfate sodium salt					
27	**Sodium malonate** for microbiology $C_3H_2Na_2O_4$ MW 148.03		P	25 g	6.60	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
		Sodium metaarsenite see Sodium *meta*-arsenite					
		Sodium metaarsenite solution see Sodium arsenite solution Titrisol®					
		Sodium metabisulfite see Sodium disulfite					
		Sodium metaborate see Sodium *meta*-borate					
		Sodium metaperiodate see Sodium *meta*-periodate					
		Sodium metaphosphate see Sodium *meta*-phosphate					
		Sodium metavanadate see Sodium monovanadate					
6538	•I•	**Sodium methylate** for synthesis (LAB) CH_3NaO MW 54.02		P	250 g 1 kg	5.80 15.75	
		Sodium 3-methylsulfanilate see 4-Amino-3-methylbenzenesulfonic acid sodium salt					
6521		**Sodium molybdate** GR $Na_2MoO_4 \cdot 2\,H_2O$ MW 241.95 CERTIFICATE OF GUARANTEE: Assay of $Na_2MoO_4 \cdot 2\,H_2O$ min. 99% Chloride (Cl) . . max. 0.005% Sulfate (SO_4) . . max. 0.005% Phosphate, arsenate, silicate (as PO_4) max. 0.001% Lead (Pb) . . . . max. 0.001% Iron (Fe) . . . . . max. 0.001%	1	P	100 g 250 g 1 kg	6.30 13.25 44.75	
6524		**Sodium molybdate** technical $Na_2MoO_4 \cdot 2\,H_2O$ MW 241.95		P □	1 kg 50 kg	29.— 	 21.50
6530		**Sodium monomethylarsonate** (methylarsonic acid disodium salt) $CH_3AsO(ONa)_2 \cdot 6\,H_2O$ MW 292.03	1.6	▭	1 kg 5 kg	28.— 125.—	
6532		**Sodium monovanadate** GR (for determination of alcohol in body fluids) $NaVO_3 \cdot 4\,H_2O$ MW 194.01 CERTIFICATE OF GUARANTEE: Assay of $NaVO_3 \cdot 4\,H_2O$. min. 99% Chloride (Cl) . . max. 0.005% Sulfate (SO_4) . . max. 0.005% Phosphate (PO_4) . max. 0.005% Lead (Pb) . . . . max. 0.005% Iron (Fe) . . . . . max. 0.005%	1.8		100 g	18.—	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Sodium β-naphthoquinone sulfonate see 1,2-Naphthoquinone-4-sulfonic acid sodium salt					
515	**Sodium 1-naphthyl phosphate** for determination of phosphatase $C_{10}H_8NaO_4P \cdot H_2O$ MW 264.15	2		5 g	10.—	
537	**Sodium nitrate** GR $NaNO_3$ MW 84.99 CERTIFICATE OF GUARANTEE: Assay of $NaNO_3$ min. 99%; pH (5% solution 20°C) 5–7.5; Chloride (Cl) max. 0.0005%; Sulfate (SO_4) max. 0.003 %; Phosphate (PO_4) max. 0.0002%; Heavy metals (as Pb) max. 0.0005%; Iron (Fe) max. 0.0002%; Calcium (Ca) max. 0.002 %; Potassium (K) max. 0.005 %; Ammonium (NH_4) max. 0.002 %; Nitrite (NO_2) max. 0.001 %; Iodate (IO_3) max. 0.0005%	0.8		500 g 1 kg 5 kg	5.50 9.25 35.75	
535	**Sodium nitrate** cryst. extra pure DAB 6, Ph Ned VI $NaNO_3$ MW 84.99	0.8	P	1 kg 5 kg 9051/50 kg	5.80 22.—	3.—
543	**Sodium nitrite** cryst. GR $NaNO_2$ MW 69.00 CERTIFICATE OF GUARANTEE: Assay of $NaNO_2$ min. 99%; Chloride (Cl) max. 0.005%; Sulfate (SO_4) max. 0.005%; Heavy metals (as Pb) max. 0.001%; Iron (Fe) max. 0.001%; Calcium (Ca) max. 0.002%; Potassium (K) max. 0.001%	0.9	P	250 g 1 kg	4.50 11.25	
544	**Sodium nitrite** cryst. extra pure DAB 7, Ph Internat I, USP XVII $NaNO_2$ MW 69.00 TYPE ANALYSIS: Assay (iodometric; on dried substance) 99%; Chloride (Cl) 0.005%; Sulfate (SO_4) 0.02 %; Heavy metals (as Pb) 0.001%; Calcium (Ca) 0.01 % Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	0.9	P	1 kg 5 kg 50 kg 5 x 50 kg	5.— 17.50	2.40 2.25

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Sodium 3-nitrobenzenesulfonate see 3-Nitrobenzenesulfonic acid sodium salt					
	Sodium nitroferricyanide see Sodium nitroprusside					
	di-Sodium 4-nitrophenyl phosphate (hexahydrate) see 4-Nitrophenyl phosphate disodium salt (hexahydrate)					
6541	**Sodium nitroprusside** GR $Na_2[Fe(CN)_5NO] \cdot 2H_2O$ MW 297.95 CERTIFICATE OF GUARANTEE: Assay of $Na_2[Fe(CN)_5NO] \cdot 2H_2O$ . . . . . min. 99% Chloride (Cl) . . max. 0.01 % Sulfate (SO_4) . . max. 0.005% Hexacyanoferrate(III) $[Fe(CN)_6]^{3-}$ . . max. 0.02 % Hexacyanoferrate(II) $[Fe(CN)_6]^{4-}$ . . max. 0.02 %	1.1	P	25 g 100 g 500 g	4.25 8.50 31.50	
6540	**Sodium nitroprusside** cryst. Erg B 6 $Na_2[Fe(CN)_5NO] \cdot 2H_2O$ MW 297.95	1	P P P □	250 g 500 g 1 kg 5 kg	12.25 21.— 39.50 180.—	
6550	**Sodium nucleate** from yeast (LAB)	1.6	P P	100 g 250 g	20.— 47.25	
6557	*di*-**Sodium oxalate** GR $C_2Na_2O_4$ MW 134.00 CERTIFICATE OF GUARANTEE: Assay of $C_2Na_2O_4$ min. 99.8% pH (3% solution) 7.5–8.5 Chloride (Cl) . . max. 0.002 % Sulfate (SO_4) . . max. 0.01 % Total nitrogen (N) max. 0.0002% Heavy metals (as Pb) . . . max. 0.001 % Iron (Fe) . . . . max. 0.0005% Potassium (K) . . max. 0.005 % Loss on drying (105°C) . . . max. 0.01 %	1.5	P P P P	250 g 500 g 1 kg 5 kg	9.— 15.— 28.— 125.—	
6556	*di*-**Sodium oxalate** GR volumetric standard $C_2Na_2O_4$ MW 134.00 CERTIFICATE OF GUARANTEE: Assay of $C_2Na_2O_4$ . . 99.95–100.05 % Substances insoluble in water . . . max. 0.005 % Chloride (Cl) . . max. 0.001 % Sulfate (SO_4) . . max. 0.002 % Total nitrogen (N) max. 0.0002% Heavy metals (as Pb) . . . max. 0.001 % Iron (Fe) . . . . max. 0.0005% Potassium (K) . max. 0.005 % Loss on drying (105° C) . . . max. 0.01 %	1.5	P	100 g	6.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
555	***di*-Sodium oxalate** $C_2Na_2O_4$ MW 134.00 TYPE ANALYSIS: Assay of $C_2Na_2O_4$ (oxidimetric) . . . . 99% Chloride (Cl) . . . . . 0.005% Sulfate (SO_4) . . . . . 0.05 % Heavy metals (as Pb) . 0.01 % Iron (Fe) 0.005%	1.1	P 	500 g 5.75 1 kg 10.— 5 kg 42.— 9051 50 kg	6.90
558	**Sodium oxide** (LAB) Na_2O MW 61.98	0.9	P	1 kg 8.50	
316	**Sodium** D(+)**pantothenate** for biochemistry (LAB) $C_9H_{16}NNaO_5$ MW 241.22 TYPE ANALYSIS: Assay (ex N and Na) . 95% Specific rotation ($[\alpha]_D^{20}$°; c = 2, water) . . . . . about + 27° Melting-range . . 163–169°C Chloride (Cl) . . . . 0.05 % Sulfate (SO_4) . . . . 0.05 % Heavy metals (as Pb) . 0.003% Loss on drying (105°C) 0.5 %	2.2		10 g 4.50	
058	**Sodium** D(+)**pantothenate** $C_9H_{16}NNaO_5$ MW 241.22 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2.2		100 g 1 kg 2½ kg	prices on application
60	**Sodium perborate** pure $NaBO_2 \cdot H_2O_2 \cdot 3\,H_2O$ MW 153.86	1.5		1 kg 5.50 5 kg 21.— 50 kg	2.90
64	**Sodium perchlorate** GR $NaClO_4 \cdot H_2O$ MW 140.46	0.9		250 g 5.50 1 kg 15.25	
67	**Sodium** *meta*-**periodate** for determination of *vic.* hydroxyl groups $NaIO_4$ MW 213.89 CERTIFICATE OF GUARANTEE: Assay of $NaIO_4$. min. 99.8% Chloride, chlorate and bromide, bromate (as Cl) max. 0.01 % Sulfate (SO_4) . max. 0.005 % Manganese (Mn) max. 0.0001%	0.5	P	25 g 5.25 100 g 14.50 250 g 33.75 1 kg 119.—	

			Volume		Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
					DM	DM
6563	•|•	**Sodium peroxide** granular GR Na_2O_2 MW 77.98 CERTIFICATE OF GUARANTEE: Assay of Na_2O_2 . min. 95% Chloride (Cl) . . max. 0.002 % Sulfate (SO_4) . . max. 0.001 % Phosphate (PO_4) max. 0.0005% Total nitrogen (N) max. 0.003 % Heavy metals (as Pb) . . . max. 0.002 % Iron (Fe) . . . . max. 0.002 % Aluminium (Al) . max. 0.001 %	0.8		250 g 500 g 1 kg 5 kg	4.50 6.— 9.50 39.—	
6562	•|•	**Sodium peroxide** granular Na_2O_2 MW 77.98 TYPE ANALYSIS: Assay of Na_2O_2 (oxidimetric) . . . . 93% Chloride (Cl) . . . . . 0.02 % Sulfate (SO_4) . . . . 0.02 % Heavy metals (as Pb) . 0.005% Iron (Fe) . . . . . 0.02 %	0.8		1 kg 5 kg 25 kg 2 x 25 kg * incl. case	7.50 27.—	3.75* 3.50*
6551	•|•	**Sodium peroxide** powder GR Na_2O_2 MW 77.98 CERTIFICATE OF GUARANTEE: Assay of Na_2O_2 . min. 95% Chloride (Cl) . . max. 0.01 % Sulfate (SO_4) . . max. 0.001 % Phosphate (PO_4) max. 0.0005% Total nitrogen (N) max. 0.003 % Heavy metals (as Pb) . . . max. 0.002 % Iron (Fe) . . . . max. 0.02 %	0.8		250 g 500 g 1 kg	4.75 6.25 10.—	
		Sodium phenylethylbarbiturate see Phenobarbital sodium				
		di-Sodium phenyl phosphate see Phenyl phosphate disodium salt				
6529		**Sodium *meta*-phosphate** $(NaPO_3)x$	0.8	(P) 	1 kg 5 kg 9051/50 kg	7.50 26.25	4.20
6578		*tri*-**Sodium phosphate 12-hydrate** (LAB) $Na_3PO_4 \cdot 12\,H_2O$ MW 380.12 TYPE ANALYSIS: Assay of $Na_3PO_4 \cdot 12\,H_2O$ . . . . . 99% Substances insoluble in water . . . . . 0.005% Chloride (Cl) . . . . . 0.001% Sulfate (SO_4) . . . 0.01 % Total nitrogen (N) . 0.001 % Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.001 % Arsenic (As) 0.00005%	1.4	(P) 	500 g 1 kg 5 kg 50 kg	4.50 6.80 26.25	3.35

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
577	***tri*-Sodium phosphate 12-hydrate** extra pure $Na_3PO_4 \cdot 12\,H_2O$ MW 380.12	1		5 kg 9051/50 kg	19.—	2.65

Sodium phosphate dibasic
see *di*-Sodium hydrogen phosphate

Sodium phosphate monobasic
see Sodium dihydrogen phosphate

Sodium phosphate tribasic see *tri*-Sodium phosphate

Sodium potassium carbonate
see Potassium carbonate sodium carbonate

Sodium potassium tartrate see Potassium sodium tartrate

Sodium pyrocatechol-3,5-disulfonate
see 3,5-Pyrocatecholdisulfonic acid disodium salt

Sodium pyrophosphate see Sodium diphosphate

Sodium pyrosulfite see Sodium disulfite

Sodium pyruvate see Pyruvic acid sodium salt

Sodium rhodanide see Sodium thiocyanate

Sodium rhodizonate see Rhodizonic acid sodium salt

601	**Sodium salicylate** cryst. GR $C_7H_5NaO_3$ MW 160.11	2	P	250 g	6.30	

CERTIFICATE OF GUARANTEE:

Assay (perchloric acid titration)	min. 99.5 %	Iron (Fe)	max. 0.001%
Chloride (Cl)	max. 0.002%	Water (acc. to Karl Fischer)	max. 0.2 %
Sulfate (SO_4)	max. 0.01 %		
Heavy metals (as Pb)	max. 0.001%		

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
6600	**Sodium salicylate** cryst. extra pure DAB 7, BP 1968, Cod Franç 1949, JP VI, Ph Internat I, Ph Ned VI, USP XVI $C_7H_5NaO_3$ MW 160.11 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2		500 g 1 kg 5 kg 50 kg 5 x 50 kg	5.— 9.— 37.25	 6.80 6.60
6602	**Sodium salicylate** powder extra pure DAB 7, BP 1968, Cod Franç 1949, JP VI, Ph Internat I, Ph Ned VI, USP XVI $C_7H_5NaO_3$ MW 160.11	2		500 g 1 kg 5 kg 50 kg 5 x 50 kg	6.25 11.— 48.—	 6.80 6.70
6607	**Sodium selenite** GR $Na_2SeO_3 \cdot 5\,H_2O$ MW 263.01 CERTIFICATE OF GUARANTEE: Assay of $Na_2SeO_3 \cdot 5\,H_2O$ min. 99% Chloride (Cl) . . max. 0.005% Sulfate and selenate (as SO_4) . . . max. 0.005% Total nitrogen (N) max. 0.005% Iron (Fe) . . . . max. 0.001%	1	P	10 g 25 g 100 g	5.25 9.75 31.—	
6606	**Sodium selenite** extra pure $Na_2SeO_3 \cdot 5\,H_2O$ MW 263.01	1		100 g	24.50	
6605	**Sodium selenite** (about 45% Se) technical Na_2SeO_3 MW 172.94	0.8		1 kg 5 kg 25 kg	175.— 800.— price on application	
5623	**Sodium silicate solution with glycerol** for determination of uric acid in serum 1 l = 1.11 kg Composition: 20 g sodium silicate in 200 ml water and 40 ml glycerol 1.23		P	250 ml 1 l	4.25 8.75	
5621	**Sodium silicate solution** DAB 6 1 l = 1.37 kg		P	5 l 60 kg	14.25	 1.19

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
6648 ○	**Sodium sulfate 10-hydrate** cryst. GR $Na_2SO_4 \cdot 10\,H_2O$ MW 322.19	1.1	500 g 1 kg 5 kg 50 kg	4.50 6.— 24.—	
6642 ○	**Sodium sulfate 10-hydrate** cryst. extra pure DAB 7, BP 1968, Cod Franç 1965, JP VI, Ph Ned VI $Na_2SO_4 \cdot 10\,H_2O$ MW 322.19	1	2½ kg 5 kg 9051/50 kg	7.25 12.—	1.44
[illegible]	**Sodium sulfate** anhydrous **Suprapur** Na_2SO_4 MW 142.04	0.8	50 g 500 g	14.75 109.—	

CERTIFICATE OF GUARANTEE:

Assay of $Na_2SO_4 \cdot 10\,H_2O$ min. 99%
pH (5% solution 20°C) 5–8
Chloride (Cl) . . max. 0.0003%
Phosphate (PO_4) max. 0.001 %
Total nitrogen (N) max. 0.0005%
Heavy metals (as Pb) . . . max. 0.0005%
Iron (Fe) . . . . max. 0.0005%
Calcium (Ca) . . max. 0.002 %
Potassium (K) . max. 0.002 %

TYPE ANALYSIS:

Assay (on dried substance) 99%
Chloride (Cl) 0.0005%
Total nitrogen (N) . . 0.001 %
Heavy metals (as Pb) 0.0005%
Iron (Fe) . . . . . 0.002 %
Calcium (Ca) . . . . .0.005 %
Potassium (K) . . . . 0.04 %

Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.

CERTIFICATE OF GUARANTEE:

Lead (Pb)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Copper (Cu)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Nickel (Ni)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Cobalt (Co)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Iron (Fe)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Zinc (Zn)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Aluminium (Al)	max. $1 \cdot 10^{-6}$ % (0.01 ppm)
Manganese (Mn)	max. $2 \cdot 10^{-6}$ % (0.02 ppm)
Thallium (Tl)	max. $5 \cdot 10^{-6}$ % (0.05 ppm)
Magnesium (Mg)	max. $2 \cdot 10^{-6}$ % (0.02 ppm)
Calcium (Ca)	max. $1 \cdot 10^{-4}$ % (1 ppm)
Strontium (Sr)	max. $3 \cdot 10^{-4}$ % (3 ppm)
Barium (Ba)	max. $5 \cdot 10^{-3}$ % (50 ppm)
Lithium (Li)	max. $5 \cdot 10^{-5}$ % (0.5 ppm)
Potassium (K)	max. $3 \cdot 10^{-3}$ % (30 ppm)

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
6649	**Sodium sulfate** anhydrous GR Na_2SO_4 MW 142.04 CERTIFICATE OF GUARANTEE: Assay of Na_2SO_4 min. 99%; pH (5% solution 20°C) . . . . 5–8; Chloride (Cl) . . max. 0.0005%; Phosphate (PO_4) max. 0.002 %; Total nitrogen (N) max. 0.0005% Heavy metals (as Pb) . . . . max. 0.0005%; Iron (Fe) . . . . max. 0.001 %; Calcium (Ca) . max. 0.002 %; Potassium (K) . max. 0.002 %; Loss on ignition max. 0.5 %	0.8	500 g 1 kg 5 kg standard box 15 x 1 kg 1 kg 12 x 15 x 1 kg 1 kg 50 kg	5.— 8.— 33.— 7.50 7.25	 4.80
6645	**Sodium sulfate** dry fine powder extra pure Na_2SO_4 MW 142.04	0.9	2½ kg 5 kg 9051/50 kg	9.— 15.75	 2.15
6643	**Sodium sulfate** dry extra pure DAB 7, Ph Ned VI Na_2SO_4 MW 142.04	0.8	2½ kg 5 kg 9051/50 kg	8.— 13.75	 1.80
6641	**Sodium sulfate** dry pure Na_2SO_4 MW 142.04	0.8	2½ kg 5 kg 9051/50 kg	7.60 13.25	 1.70
6638	**Sodium sulfide** GR $Na_2S \cdot 9\,H_2O$ MW 240.18 CERTIFICATE OF GUARANTEE: Assay of $Na_2S \cdot 9\,H_2O$. min. 99%; Sulfite (SO_3) . . max. 0.1 % Thiosulfate (S_2O_3) max. 0.5 %; Total nitrogen (N) max. 0.0025%	1.2	250 g 500 g 1 kg 5 kg	5.25 8.— 13.75 57.—	
6636	**Sodium sulfide** cryst. extra pure $Na_2S \cdot 9\,H_2O$ MW 240.18 TYPE ANALYSIS: Assay of $Na_2S \cdot 9\,H_2O$ (iodometric) . . . . . 99% Thiosulfate (S_2O_3) . . . 0.5%; Sulfite (as SO_3) 0.2%	1.3	1 kg 5 kg 9051/50 kg	9.— 35.75	 5.40
6653	**Sodium sulfite 7-hydrate** cryst. pure Erg B 6, BPC 1968 $Na_2SO_3 \cdot 7\,H_2O$ MW 252.15	1.1	2½ kg 5 kg 9051/50 kg	6.30 10.50	 1.31
6657	**Sodium sulfite** anhydrous GR Na_2SO_3 MW 126.04 CERTIFICATE OF GUARANTEE: Assay of Na_2SO_3 min. 96%; Chloride (Cl) . . max. 0.01 %; Thiosulfate (S_2O_3) max. 0.02 %; Lead (Pb) . . . . max. 0.001 % Copper (Cu) . . . max. 0.001 %; Iron (Fe) . . . . max. 0.001 %; Zinc (Zn) . . . . max. 0.001 %; Arsenic (As) . . max. 0.0001%	0.7	500 g 1 kg 5 kg 50 kg	6.10 10.50 43.—	 6.80

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
6652	**Sodium sulfite** anhydrous pure Cod Franç 1949 Na_2SO_3 MW 126.04 TYPE ANALYSIS: Assay of Na_2SO_3 (iodometric) . . . 95% Chloride (Cl) . . . . 0.02 % Heavy metals (as Pb) 0.005 % Iron (Fe) . . . . . 0.002 % Arsenic (As) 0.0002%	0.8	P P P	1 kg 5 kg 9051/50 kg	4.25 12.75	1.95
	Sodium sulfocyanide see Sodium thiocyanate					
6664	*di*-**Sodium tartrate** GR (volumetric standard for the reagent acc. to Karl Fischer) $C_4H_4Na_2O_6 \cdot 2\,H_2O$ MW 230.08 CERTIFICATE OF GUARANTEE: Assay of $C_4H_4Na_2O_6 \cdot 2\,H_2O$ . . . . . min. 99.5% pH (5% solution 20°C) . . . . 7–8 Chloride (Cl) . . max. 0.0005% Sulfate (SO_4) . . max. 0.002 % Phosphate (PO_4) . max. 0.0005% Total nitrogen (N) max. 0.002 % Heavy metals (as Pb) . . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Calcium (Ca) . . max. 0.005 % Water (acc. to Karl Fischer) . 15.66 ± 0.05%	1.5	P P P	100 g 250 g 1 kg	4.25 8.25 25.25	
6662	*di*-**Sodium tartrate** cryst. extra pure Erg B 6 $C_4H_4Na_2O_6 \cdot 2\,H_2O$ MW 230.08 TYPE ANALYSIS: Assay of $C_4H_4Na_2O_6 \cdot 2\,H_2O$ . . . . . 99% Chloride (Cl) . . . . 0.005% Sulfate (SO_4) . . . . 0.005% Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.001% Calcium (Ca) . . . . 0.01 % Ammonium (NH_4) . . 0.001%	1.4	P P P P	500 g 1 kg 5 kg 9051/50 kg	6.30 10.50 42.—	7.50
6308	*di*-**Sodium tetraborate** cryst. GR $Na_2B_4O_7 \cdot 10\,H_2O$ MW 381.37 CERTIFICATE OF GUARANTEE: Assay of $Na_2B_4O_7 \cdot 10\,H_2O$ . . . . min. 99.5% pH (4% solution) 9–10 Chloride (Cl) . max. 0.0007% Sulfate (SO_4) . . max. 0.005 % Phosphate (PO_4) max. 0.002 % Heavy metals (as Pb) . . . . max. 0.001 % Iron (Fe) . . . . max. 0.0005% Calcium (Ca) . max. 0.005 %	1.3	P P P	500 g 1 kg 50 kg	5.80 9.50	6.30
6313	*di*-**Sodium tetraborate** cryst. **Selectipur** $Na_2B_4O_7 \cdot 10\,H_2O$ MW 381.37	1.3	P P	5 kg 50 kg	prices on application	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
6303	*di*-**Sodium tetraborate** powder pure DAB 7, BP 1968 $Na_2B_4O_7 \cdot 10\,H_2O$ MW 381.37 TYPE ANALYSIS: Assay of $Na_2B_4O_7 \cdot 10\,H_2O$ . . . . . 99.5% Chloride (Cl) . . . . 0.005 % Sulfate (SO_4) . . . . 0.01 % Nitrate (NO_3) . . . . 0.001 % Phosphate (PO_4) . . 0.005 % Heavy metals (as Pb) 0.0005% Iron (Fe) . . . . . 0.001 % Calcium (Ca) . . . . 0.01 % Arsenic (As) 0.0004%	1.4		1 kg 5 kg 9051/50 kg	4.75 16.25	2.—
6310	*di*-**Sodium tetraborate** (max. 15% H_2O) GR $Na_2B_4O_7$ MW 201.22 CERTIFICATE OF GUARANTEE: Assay of $Na_2B_4O_7$ (acidimetric) . min. 85% Substances insoluble in water . . . max. 0.02 % Chloride (Cl) . . max. 0.002% Sulfate (SO_4) . . max. 0.01 % Phosphate (PO_4) . max. 0.002% Heavy metals (as Pb) . . . . max. 0.002% Iron (Fe) . . . . max. 0.001% Calcium (Ca) . . max. 0.01 %	1.5	P	100 g 500 g	4.50 15.—	
6309	*di*-**Sodium tetraborate** anhydrous **Suprapur**® $Na_2B_4O_7$ MW 201.22 CERTIFICATE OF GUARANTEE: Chloride (Cl) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Sulfate (SO_4) . . . . . max. $5 \cdot 10^{-3}$ % (50 ppm) Phosphate (PO_4) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Silicate (SiO_2) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Lead (Pb) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Copper (Cu) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Nickel (Ni) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Cobalt (Co) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Iron (Fe) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Zinc (Zn) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Manganese (Mn) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Thallium (Tl) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Magnesium (Mg) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Calcium (Ca) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Strontium (Sr) . . . . . max. $5 \cdot 10^{-4}$ % (5 ppm) Barium (Ba) . . . . . max. $1 \cdot 10^{-3}$ % (10 ppm) Lithium (Li) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Potassium (K) . . . . . max. $5 \cdot 10^{-3}$ % (50 ppm)	2.1	P	25 g 250 g	15.75 121.—	
6306	*di*-**Sodium tetraborate** anhydrous GR $Na_2B_4O_7$ MW 201.22 CERTIFICATE OF GUARANTEE: Assay of $Na_2B_4O_7$ min. 99% Chloride (Cl) . . max. 0.001% Sulfate (SO_4) . . max. 0.005% Phosphate (PO_4) . max. 0.002% Heavy metals (as Pb) . . . . max. 0.002% Iron (Fe) . . . . max. 0.001% Calcium (Ca) . . max. 0.005%	1.7	P	100 g 1 kg 5 kg	5.— 32.75 145.—	
6304	*di*-**Sodium tetraborate** anhydrous for X-ray fluorescence analysis $Na_2B_4O_7$ MW 201.22	1.6	P	1 kg 5 kg	36.75 158.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
6301	**Sodium tetraborate cobalt(III) oxide** (100 : 1) for X-ray fluorescence analysis	1	100 g 1 kg	13.— 105.—	
	penta-Sodium tetrafluoroaluminate bis (pentafluoroaluminate) see Chiolithe tablets				
	Sodium tetrahydridoborate see Sodium borohydride				
	Sodium N,N-tetramethylenedithiocarbamate see Pyrrolidinedithiocarboxylic acid sodium salt				
	Sodium tetraphenylboron see Kalignost®				
6627 ○	**Sodium thiocyanate** pure NF X NaSCN MW 81.07 TYPE ANALYSIS: Assay of NaSCN (argentometric; on dried substance) . . . . . 98.5 % Chloride (Cl) . . . . 0.1 % Sulfate (SO_4) . . . . 0.025% Heavy metals (as Pb) . 0.002% Ammonium (NH_4) . . . 0.05 % Arsenic (As) . . . . . 0.001% Loss on drying (105°C) 5 %	1.4	500 g 1 kg 5 kg	7.50 13.— 54.—	
6691	**Sodium thioglycollate** for microbiology $C_2H_3NaO_2S$ MW 114.10		100 g 500 g	16.— 66.—	
6509	**Sodium thiosulfate 5-hydrate Suprapur**® $Na_2S_2O_3 \cdot 5\,H_2O$ MW 248.18 CERTIFICATE OF GUARANTEE: Lead (Pb) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Copper (Cu) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Nickel (Ni) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Cobalt (Co) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Iron (Fe) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Zinc (Zn) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Aluminium (Al) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm) Manganese (Mn) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Magnesium (Mg) . . . . . max. $1 \cdot 10^{-5}$ % (0.1 ppm) Calcium (Ca) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Strontium (Sr) . . . . . max. $1 \cdot 10^{-4}$ % (1 ppm) Barium (Ba) . . . . . max. $2 \cdot 10^{-3}$ % (20 ppm) Potassium (K) . . . . . max. $2 \cdot 10^{-4}$ % (2 ppm)	1	50 g 500 g	12.75 88.—	
6516	**Sodium thiosulfate 5-hydrate** GR $Na_2S_2O_3 \cdot 5\,H_2O$ MW 248.18 CERTIFICATE OF GUARANTEE: Assay of $Na_2S_2O_3 \cdot 5\,H_2O$ min. 99.5% pH (5% solution) 6–7.5 Chloride (Cl) . max. 0.01 % Sulfate and sulfite (as SO_4) . . . max. 0.02 % Sulfide (S) . . max. 0.00025% Heavy metals (as Pb) . . . max. 0.0005 % Iron (Fe) . . . max. 0.001 % Calcium (Ca) . max. 0.005 %	0.9	500 g 1 kg 5 kg standard box 15 x 1 kg 1 kg 12 x 15 x 1 kg 1 kg	4.50 7.25 29.— 6.75 6.50	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
6513	**Sodium thiosulfate 5-hydrate** cryst. extra pure DAB 7, BPC 1968, Ph Ned VI, USP XVII, and for photography $Na_2S_2O_3 \cdot 5\,H_2O$ MW 248.18 TYPE ANALYSIS: Assay of $Na_2S_2O_3 \cdot 5\,H_2O$ (iodometric) . . 99.5–100.1%; pH (5% solution 20°C) . . . . . 6–8.5; Chloride (Cl) . . 0.01 %; Sulfate (SO_4) . . . . 0.05 %; Sulfide (S) . . . . . 0.001 %; Heavy metals (as Pb) 0.0005%; Iron (Fe) . . . . . 0.005 %; Calcium (Ca) . . . . 0.005 % Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.1	2½ kg 5 kg 9051/50 kg	7.50 13.— 	 1.65
6512	**Sodium thiosulfate** $Na_2S_2O_3$ MW 158.11 TYPE ANALYSIS: Assay of $Na_2S_2O_3$ (iodometric) . . . . 97%; pH (5% solution 20°C) 6–8.5; Chloride (Cl) . . . . . 0.02 %; Sulfide (S) . . . . . 0.002%; Heavy metals (as Pb) . 0.005%; Iron (Fe) 0.005%	0.8	2½ kg 5 kg 9051/50 kg	9.50 15.75 	 2.30
9950 0001	**0.1 N Sodium thiosulfate solution Titrisol®** (DBP No. 971 376) concentrated solution for preparation of 1 litre of 0.1 N solution		ampoule	3.50	
	Sodium *o*-toluidine-5-sulfonate see 4-Amino-3-methylbenzenesulfonic acid sodium salt				
	Sodium *p*-toluidine-3-sulfonate see 2-Amino-5-methylbenzenesulfonic acid sodium salt				
6673	**Sodium tungstate** GR $Na_2WO_4 \cdot 2\,H_2O$ MW 329.86 CERTIFICATE OF GUARANTEE: Assay of $Na_2WO_4 \cdot 2\,H_2O$ . . . . min. 99%; Free alkali (as NaOH) . . max. 0.05 %; Chloride (Cl) . . max. 0.003 %; Sulfate (SO_4) . max. 0.01 %; Total nitrogen (N) max. 0.001 %; Lead (Pb) . . . max. 0.001 %; Iron (Fe) . . . . max. 0.0005%; Molybdenum (Mo) max. 0.005 %	0.7	P 100 g 250 g 1 kg	13.— 30.— 105.—	
6672	**Sodium tungstate** cryst. pure $Na_2WO_4 \cdot 2\,H_2O$ MW 329.86 TYPE ANALYSIS: Assay of $Na_2WO_4 \cdot 2\,H_2O$ . . . . . 98%; Free alkali (as NaOH) 0.1 %; Chloride (Cl) . . . . 0.01 %; Sulfate (SO_4) . . . . 0.02 %; Total nitrogen (N) . . 0.005%; Iron (Fe) 0.002%	0.7	P 100 g 250 g 1 kg	10.75 24.50 85.—	
6674	**Sodium tungstate solution** 10% 1 l = 1.08 kg		P 250 ml	4.50	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Sodium *meta*-vanadate see Sodium monovanadate					
	Solid green see Brilliant green					
	Solutions for determination of iodine value see Iodine solution acc. to Hanus Iodine solution acc. to Wijs					
	Solutions for flame photometry see Titrisol, page 713					
	Solutions for separation of minerals see Bromoform — Muthmann's liquid Clerici's solution — Rohrbach's solution Diiodomethane — Thoulet's solution					
	Solvent black 3 see Sudan black B					
	Solvent blue 8 see Methylene blue					
	Solvent blue 19 see Blue BZL					
	Solvent yellow 2 see Methyl yellow					
662	**Sorbic acid** $C_6H_8O_2$ MW 112.13	1.5	P	250 g 1 kg 5 kg	7.— 18.75 87.50	
				50 kg	price on application	
7758	D(–)**Sorbitol** extra pure for bacteriology $C_6H_{14}O_6$ MW 182.17	1.4	P	250 g 1 kg	9.50 29.50	
	see also Carbohydrate test leaflets					
7759	D(–)**Sorbitol** for biochemistry (LAB) $C_6H_{14}O_6$ MW 182.17	1.5	P	100 g	6.80	
2979	**Sorbitol** liquid **Selectipur**®			25 kg	price on application	
2994	**Sorbitol** liquid	1 l = 1.29 kg		1001/1 l 2501/2½ l	6.10 11.25	
				75 kg	price on application	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2993	**Sorbitol F** liquid 1 l = 1.29 kg		1001/1 l 2501/2½ l 75 kg	6.10 11.25 price on application	
2977	**Sorbitol F** liquid for cosmetics 1 l = 1.29 kg		2501/2½ l 75 kg	12.75 price on application	
2983	**Sorbitol 83**	0.8	5001/5 kg 75 kg	25.75 price on application	
2986	**Sorbitol*** fine-granular DAB 7	1.7	501/500 g 1001/1 kg 5001/5 kg 25 kg 50 kg	4.75 8.— 26.25 prices on application	
2990	**Sorbitol*** powder DAB 7	1.3	1001/1 kg 25 kg 50 kg	8.— prices on application	
	* Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.				
2998	**Sorbitol** powder DAB 7 particle size max. 0.75 mm		1001/1 kg 25 kg 50 kg	8.40 prices on application	
2972	**Sorbitol** powder DAB 7 for tablets	1.3	1001/1 kg 50 kg	8.50 price on application	
	Sorbitol see also Nivitin				
7760	L(−)**Sorbose** for biochemistry (LAB) $C_6H_{12}O_6$ MW 180.16 TYPE ANALYSIS: Assay (dichromate method) . . . . . 99% Specific rotation ($[\alpha]_D^{20}$°; c = 1, water) . . −42.5° to −43.7° Chloride (Cl) . . . . . 0.005% Sulfate (SO_4) . . . . 0.005% Heavy metals (as Pb) . 0.001% Loss on drying (105°C) 0.5 % Sulfated ash . . . . . 0.1 %	1.8	P 100 g 500 g	4.75 15.25	
7777	**Sparteinium sulfate** cryst. Erg B 6, Cod Franç 1965 $C_{15}H_{28}N_2O_4S \cdot 5\,H_2O$ MW 422.54 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.9	P 100 g 1 kg 5 kg	20.75 184.— 870.—	

		Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Special indicator strips and indicator papers			
	Special indicator strips			
9540/0001	**Special indicator strips** pH 0–2.5 non-bleeding	pack of 100 strips 10 packs 50 packs	2.85 2.70 2.55	
9541/0001	**Special indicator strips** pH 2.5–4.5 non-bleeding	pack of 100 strips 10 packs 50 packs	2.85 2.70 2.55	
9542/0001	**Special indicator strips** pH 4.0–7.0 non-bleeding	pack of 100 strips 10 packs 50 packs	2.85 2.70 2.55	
9543/0001	**Special indicator strips** pH 6.5–10.0 non-bleeding	pack of 100 strips 10 packs 50 packs	2.85 2.70 2.55	
9545/0001	**Special indicator strips** pH 11.0–13.0 non-bleeding	pack of 100 strips 10 packs 50 packs	2.85 2.70 2.55	
9531/0001	**Acilit**© **indicator strips** pH 0–6.0 non-bleeding	pack of 100 strips 10 packs 50 packs	2.85 2.70 2.55	
9533/0001	**Neutralit**® **indicator strips** pH 5.0–10.0 non-bleeding	pack of 100 strips 10 packs 50 packs	2.85 2.70 2.55	
9532 0001	**Alkalit**© **indicator strips** pH 7.5–14 non-bleeding	pack of 100 strips 10 packs 50 packs	2.85 2.70 2.55	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Special indicator strips and indicator papers				
	Special indicator papers			booklet	
	accurate to 0.2 pH units				
9555/0001	pH 3.8–5.4 including colour scale, booklet cont. 100 strips		1 booklet 10 booklets 50 booklets	1.90 1.70 1.60	
9556/0001	pH 5.4–7.0 including colour scale, booklet cont. 100 strips		1 booklet 10 booklets 50 booklets	1.90 1.70 1.60	
9557/0001	pH 6.4–8.0 including colour scale, booklet cont. 100 strips		1 booklet 10 booklets 50 booklets	1.90 1.70 1.60	
9558/0001	pH 8.2–10.0 including colour scale, booklet cont. 100 strips		1 booklet 10 booklets 50 booklets	1.90 1.70 1.60	
	accurate to 0.3 pH units				
9566/0001	pH 7.6–8.5 including colour scale, booklet cont. 100 strips		1 booklet 10 booklets 50 booklets	1.90 1.70 1.60	
	accurate to 0.5 pH units			box	
9560/0001	**Acilit®** pH 0.5–5.0 including colour scale, plastic box cont. 1 roll		1 box 10 boxes 50 boxes	2.10 1.90 1.80	
9564/0001	**Neutralit®** pH 5.5–9.0 including colour scale, plastic box cont. 1 roll		1 box 10 boxes 50 boxes	2.10 1.90 1.80	
9562/0001	**Alkalit®** pH 9.5–13.0 including colour scale, plastic box cont. 1 roll		1 box 10 boxes 50 boxes	2.10 1.90 1.80	
9565/0001	**pH Box** containing Acilit® (pH 0.5–5.0), Neutralit® (pH 5.5–9.0) and Alkalit® (pH 9.5–13.0) including 3 colour scales plastic box cont. 3 rolls		1 box 10 boxes 50 boxes	5.25 5.— 4.75	
	Refills without colour scales for Acilit®, Neutralit®, Alkalit® and the pH Box				
9568/0001	pH 0.5–5.0 paper bag cont. 3 rolls			bag	
9569/0001	pH 5.5–9.0 paper bag cont. 3 rolls		1 bag 10 bags 50 bags	3.— 2.75 2.65	
9570/0001	pH 9.5–13.0 paper bag cont. 3 rolls				

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
		Spectroscopy, preparations for . . ., see Uvasols, page 811					
2278		**Spermaceti** DAB 7, BPC 1959	2	bag	1 kg 5 kg	8.— 33.75	
7782	•|•	**Spirit of nitrous ether** DAB 6 (not warranted to remain neutral) 1 l = 0.84 kg			250 ml 1 l Minimum quantity: 1 l	5.30 15.75	
		5α,20α$_F$H,22α$_F$O,25β$_F$H-Spirostan-3β-ol see Tigogenin					
		5β,20α$_F$H,22α$_F$O,25β$_F$H-Spirostan-3β-ol see Smilagenin					
		20α$_F$H,22α$_F$O,25β$_F$H-Spirost-5-en-3β-ol see Diosgenin					
9048	•|•	**Splittgerber's reagent** for determination of phosphates 1 l = 1.24 kg			250 ml 1 l	4.50 11.50	
		Spray reagents see:					
		Aniline phthalate					
		Bromocresol green					
		2′,7′-Dichlorofluorescein					
		4-Dimethylaminobenzaldehyde					
		Molybdatophosphoric acid					
		Ninhydrin					
		Rhodamine B					
9766		**Squalane** for gas chromatography $C_{30}H_{62}$ MW 422.83 1 l = 0.81 kg			100 ml	19.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7827	**Standard acetate buffer solution** pH 4.62 (0.2 M) 1 l = 1.00 kg		500 ml 1 l	6.60 10.75	
1621	**Standard bacterial count agar** for milk bacteriology (25 g for 1 litre of culture medium)	1.7	25 g 500 g 10 x 500 g	4.— 40.— 37.50	
7881	**Standard I nutrient agar** for microbiology (37 g for 1 litre of culture medium)	1.7	37 g 500 g 10 x 500 g	4.50 36.— 34.—	
7882	**Standard I nutrient broth** for microbiology (25 g for 1 litre of culture medium)	1.7	25 g 500 g 10 x 500 g	3.50 32.50 30.50	
7883	**Standard II nutrient agar** for microbiology (25 g for 1 litre of culture medium)	1.7	25 g 500 g 10 x 500 g	3.75 37.50 35.50	
7884	**Standard II nutrient broth** for microbiology (15 g for 1 litre of culture medium)	1.7	15 g 500 g 10 x 500 g	2.75 25.— 23.—	

Standards for elementary analysis see

- Acetanilide
- Anthracene
- Benzoic acid
- 1-Chloro-2,4-dinitrobenzene
- 8-Hydroxyquinoline
- 1-Nitroso-2-naphthol
- Stearic acid
- Sulfanilic acid
- Triphenylphosphine

Standards for volumetric analysis see Volumetric standards

Stannic compounds see Tin(IV) compounds

Stannous compounds see Tin(II) compounds

7892	**Staphylococcus enrichment medium** (base) for microbiology (55 g for 1 litre of culture medium)		55 g 500 g 10 x 500 g	6.50 40.— 38.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5406	**Staphylococcus selective agar** acc. to Baird-Parker (base) for microbiology (58 g for 1 litre of culture medium)	1.7	58 g 500 g 10 x 500 g	[illegible]	
5469	**Staphylococcus selective agar No. 110** acc. to Chapman for microbiology (147 g for 1 litre of culture medium)	1.7	147 g 500 g 10 x 500 g	[illegible]	
5405	**Staphylococcus selective agar** acc. to Vogel-Johnson (base) for microbiology (58 g for 1 litre of culture medium)	1.7	58 g 500 g 10 x 500 g	[illegible]	
1257	**Starch** soluble, acc. to Zulkowsky GR $(C_6H_{10}O_5)_n$ CERTIFICATE OF GUARANTEE: pH (2% solution) . 6.5–7.5 Sensibility . . . . passes test Substances reducing Fehling's reagent (as Maltose) . . max. 0.7 % Loss on drying (105° C) . . . . . max. 10 % Sulfated ash . . . max. 7 %	1.3	25 g 100 g 250 g 1 kg	[illegible]	
1252	**Starch** soluble GR $(C_6H_{10}O_5)_n$ CERTIFICATE OF GUARANTEE: Clarity of solution passes test pH (2% solution) . 6.0–7.5 Sensibility . . . . passes test Substances reducing Fehling's reagent (as Maltose) . . max. 0.7 % Loss on drying (105° C) . . . . . max. 10 % Sulfated ash . . . . max. 0.35%	1.4	[illegible] [illegible] 1 kg	[illegible]	
1259	**Starch** for determination of diastase $(C_6H_{10}O_5)_n$	1.3	250 g	[illegible]	
1253	**Starch** soluble Erg B 6 $(C_6H_{10}O_5)_n$	1.4	**500 g** **1 kg** **5 kg** **25 kg**	6.80 12.25 51.—	9.—

Starch gum see Dextrin

Starch-sodium chloride solution see Hagedorn-Jensen's solutions

Stearamide see Octadecylamine

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
672	**Stearic acid** standard for elementary analysis $C_{18}H_{36}O_2$ MW 284.49 CERTIFICATE OF GUARANTEE: Carbon (C) . . . . . 76.0% Oxygen (O) . . . . . 11.2% Hydrogen (H) . . . . . 12.8% Suitable for determination of C, H, O.	2.6		5 g	6.80	
674	**Stearic acid** for biochemistry (LAB) $C_{18}H_{36}O_2$ MW 284.49 TYPE ANALYSIS: Assay . . . . . 99% Melting-point . . . 68–69° C Chloride (Cl) . . 0.005 % Heavy metals (as Pb) . . . . . 0.001 % Iron (Fe) . . . . . 0.0005% Unsaturated substances . . . passes test Unsaponifiable substances . . . . . 0.16 % Sulfated ash . . . . . 0.05 % Acid value . . . . . 197 Iodine value . . . . . 1 Ester value 2	2.6	P	25 g 100 g	12.25 39.50	
673	**Stearic acid** (LAB) $C_{18}H_{36}O_2$ MW 284.49 TYPE ANALYSIS: Assay . . . . . 85% Melting-range . . . . 65–68° C Unsaponifiable substances . . . . 0.5% Ester value . . . . . 2 Iodine value . . . . . 1 Chloride (Cl) . . . . 0.005% Heavy metals (as Pb) . 0.002% Iron (Fe) . . . . . 0.001% Sulfated ash . . . . . 0.05 %	2.6	P	100 g 250 g 1 kg	6.10 13.25 44.25	
671	**Stearic acid** Erg B 6, USP XVI	2.4	P □	1 kg 5 kg 9051/50 kg	6.10 23.75	3.80
7680	**Stearyl alcohol** for synthesis (LAB) $C_{18}H_{38}O$ MW 270.50	2		1 kg	9.50	
	Sternheimer-Malbin's solution for microscopy					
9273	I) **Gentian violet solution**	1 l = 0.98 kg		50 ml	3.75	
9274	II) **Safranin solution**	1 l = 0.98 kg	P	500 ml	6.	
	5,22-Stigmastadien-3β-ol see Stigmasterol					
	5-Stigmasten-3β-ol see β-Sitosterol					

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
3743	**Stigmasterol** (5,22-stigmastadien-3β-ol) (LAB) $C_{29}H_{48}O$ MW 412.71	4		50 g 100 g	66.75 132.—	
7887	*trans*-**Stilbene** scintillation grade $C_{14}H_{12}$ MW 180.25	1.5		100 g	26.25	
	Stilbestrol see Diethylstilbestrol					
4318	**Stopcock grease** (LAB) Melting-range . . . . 45–53° C	1.3		100 g 250 g 1 kg	4.— 5.25 12.25	
5453	**Streptococcus enrichment medium** for microbiology (30 g for 1 litre of culture medium)	2		30 g 500 g 10 x 500 g	3.75 30.— 28.—	
5468	**Streptococcus selective agar** for microbiology (43 g for 1 litre of culture medium)	1.7		43 g 500 g 10 x 500 g	5.50 40.— 38.—	
7855	**Strontium bromide** cryst. extra pure Cod Franç 1965, (for radiography) $SrBr_2 \cdot 6\,H_2O$ MW 355.53 TYPE ANALYSIS: Assay of $SrBr_2 \cdot 6\,H_2O$ (chelatometric) . . 99% Substances insoluble in water . . . . . 0.01 % Chloride (Cl) . . . . 0.3 % Bromate (BrO_3) . . . 0.001 % Iodide (I) . . . . . 0.02 % Sulfide (S) . . . . . 0.001 % Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.0005% Calcium (Ca) . . . . 0.8 % Barium (Ba) . . . . . 0.01 %	0.7	P	1 kg 5 kg 50 kg	13.25 53.—	9.30
7860	**Strontium carbonate Selectipur®** $SrCO_3$ MW 147.63	1.8	P	1 kg	price on application	
7861	**Strontium carbonate** pure $SrCO_3$ MW 147.63	1.8	P	500 g 1 kg 5 kg 50 kg	10.50 19.— 80.—	13.80

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7864	**Strontium chloride** anhydrous **Selectipur®** $SrCl_2$ MW 158.53	1.2	P	1 kg 5 kg	prices on application	
7865	**Strontium chloride** GR $SrCl_2 \cdot 6\,H_2O$ MW 266.62	1	P	250 g 1 kg	7.— 21.—	
7863	**Strontium chloride** cryst. extra pure Erg B 6 $SrCl_2 \cdot 6\,H_2O$ MW 266.62 TYPE ANALYSIS: Assay of $SrCl_2 \cdot 6\,H_2O$ (chelatometric) . . 99% Substances insoluble in water . . . . . 0.0075% Total nitrogen (N) . . 0.002 % Heavy metals (as Pb) 0.0005% Iron (Fe) . . . . . 0.0005% Calcium (Ca) . . . . 0.1 % Barium (Ba) . . . . . 0.01 % Substances not precipitated by ammonium carbonate (as sulfates) . . . . 0.3 % pH (5% solution 20°C) 5–7	1	P P P	500 g 1 kg 5 kg 50 kg	6.10 10.50 42.—	7.40
7866	**Strontium fluoride Suprapur®** SrF_2 MW 125.62 CERTIFICATE OF GUARANTEE: Lead (Pb) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Copper (Cu) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Nickel (Ni) . . . . . max. $2 \cdot 10^{-5}$ % (0.2 ppm) Calcium (Ca) . . . . . max. $2 \cdot 10^{-2}$ % (200 ppm) Sodium (Na) . . . . . max. $5 \cdot 10^{-3}$ % (50 ppm)	0.7	P	25 g 250 g	13.25 90.—	
7876	**Strontium hydroxide** cryst. pure $Sr(OH)_2 \cdot 8\,H_2O$ MW 265.76 TYPE ANALYSIS: Assay of $Sr(OH)_2 \cdot 8\,H_2O$ (acidimetric) . . . . 97% Carbonate ($SrCO_3$) (acidimetric) . . . . 2 % Chloride (Cl) . . . . . 0.007% Total nitrogen (N) . . 0.001% Heavy metals (as Pb) . 0.002% Iron (Fe) . . . . . 0.001% Calcium (Ca) . . . . . 0.05 % Barium (Ba) . . . . . 0.1 % Substances not precipitated by ammonium carbonate (as sulfates) . . . . 0.3 %	1.2	P P P	500 g 1 kg 5 kg 50 kg	6.30 11.— 44.25	7.50
7872	**Strontium nitrate** anhydrous GR $Sr(NO_3)_2$ MW 211.63 CERTIFICATE OF GUARANTEE: Assay of $Sr(NO_3)_2$ min. 99% pH (5% solution) 5–7 Chloride (Cl) . max. 0.001 % Phosphate (PO_4) max. 0.001 % Lead (Pb) . . . . max. 0.0002% Copper (Cu) . . max. 0.0002% Iron (Fe) . . . . max. 0.0005% Zinc (Zn) . . . . max. 0.0002% Magnesium (Mg) max. 0.005 % Barium (Ba) . . max. 0.01 % Calcium (Ca) . . max. 0.005 % Sodium (Na) . . max. 0.005 % Potassium (K) . . max. 0.005 % Ammonium (NH_4) max. 0.005 % Water . . . . . max. 0.5 %	0.6	P	250 g 1 kg	7.60 24.25	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7870	**Strontium nitrate** anhydrous **Selectipur®** $Sr(NO_3)_2$ MW 211.63	0.6	P	5 kg 50 kg	prices on application	
7873	**Strontium nitrate** anhydrous pure $Sr(NO_3)_2$ MW 211.63 TYPE ANALYSIS: Assay of $Sr(NO_3)_2$ (chelatometric) . . 99% Chloride (Cl) . . . . 0.007 % Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.0005% Substances not precipitated by ammonium carbonate (as sulfates) . . . . . 0.2% Water (acc. to Karl Fischer) 0.1%	0.6	P P	500 g 1 kg 5 kg 50 kg	6.60 11.50 47.25	7.90
7890	*k*-**Strophanthidin** for biochemistry (LAB) $C_{23}H_{32}O_6$ MW 404.51	2		1 g	79.—	
	k-Strophanthidin L-rhamnoside see Convallatoxin					
7896	*g*-**Strophanthin** (ouabain) cryst. extra pure DAB 7, JP VI, Ph Ned VI, USP XVII $C_{29}H_{44}O_{12} \cdot 8\text{–}9\,H_2O$ MW 584.67 (anhydrous) Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.5		1 g 5 g 25 g 100 g	6.30 24.25 111.— 420.—	
7897	*g*-**Strophantin** (ouabain) cryst. extra pure Cod Franç 1965 $C_{29}H_{44}O_{12} \cdot 8H_2O$ MW 728.79	1.5		1 g 5 g 100 g	6.60 25.75 445.—	
7894	*k*-**Strophanthin** NF X Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2	P	1 g 5 g 25 g 100 g	8.— 33.75 145.— 525.—	
7891	*k*-**Strophanthoside** for biochemistry (LAB) $C_{42}H_{64}O_{19}$ MW 872.97	3.5		1 g	33.75	
7900	**Strychnine** pure, BPC 1959, NF X $C_{21}H_{22}N_2O_2$ MW 334.42	1.5	P	10 g 25 g 100 g 1 kg	3.75 7.50 24.25 210.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7905	**Strychninium nitrate*** cryst. DAB 7, JP VII, Ph Internat I, Ph Ned VI $C_{21}H_{23}N_3O_5$ MW 397.43	1.5	10 g 100 g 1 kg	3.50 21.50 184.—	
7911	**Strychninium sulfate*** Cod Franç 1965, NF XI $C_{42}H_{46}N_4O_8S \cdot 5\,H_2O$ MW 857.00	1.5	10 g 100 g 1 kg	3.50 21.50 184.—	

* Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.

Stuart Transport Medium see Transport medium

7679	**Styrene** for synthesis (ORG) C_8H_8 MW 104.15 1 l = 0.91 kg	1 l		6.30
751	**Suberic acid** for synthesis (ORG) $C_8H_{14}O_4$ MW 174.20	100 g		7.60
5216	**Suberonitrile** for synthesis (ORG) $C_8H_{12}N_2$ MW 136.20 1 l = 0.94 kg	50 ml		14.25
7913	**Substance facilitating boiling** (LAB)	2.2	1 kg	5.50
5401	**Substrate acc. to Kirchner 30** modif. acc. to Herrmann (base) for microbiology (21.6 g for 1 litre of culture medium)	1.7	0022 21,6 g 500 g 10 x 500 g	3.— 22.50 21.50
7888	**Subtilisin** bound to CM cellulose 7–10 U/mg for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.		0.1 g 1 g	40.— 350.—
682	**Succinic acid** GR $C_4H_6O_4$ MW 118.09 CERTIFICATE OF GUARANTEE: Assay of $C_4H_6O_4$ min. 99.5% Chloride (Cl) . . max. 0.0005% Sulfate (SO_4) . . max. 0.005 % Heavy metals (as Pb) . . . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Ammonium (NH_4) max. 0.001 % Sulfated ash . . max. 0.02 %	1.1	100 g 250 g	4.75 9.50

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
681	**Succinic acid** cryst. pure Erg B 6 $C_4H_6O_4$ MW 118.09 TYPE ANALYSIS: Assay (acidimetric) . . 99% Chloride (Cl) . . . . . 0.002% Sulfate (SO_4) . . . . 0.01 % Heavy metals (as Pb) . 0.002% Iron (Fe) 0.002%	1.1	P P P	250 g 5.50 1 kg 14.50 5 kg 58.—	
683	**Succinic anhydride** for synthesis (LAB) $C_4H_4O_3$ MW 100.07 TYPE ANALYSIS: Assay (morpholine method) . . . . . 98% Melting-range . . . 118–120° C Sulfated ash . . . 0.1%	1.2	P P P P	250 g 5.80 1 kg 18.— 5 kg 77.— 50 kg	12.25
7971	**Succinimide** cryst. for synthesis (LAB) $C_4H_5NO_2$ MW 99.09 TYPE ANALYSIS: Assay (ex N) . . . 98% Melting-range . . . 123–125° C Heavy metals (as Pb) 0.001% Iron (Fe) . . . . . 0.001% Sulfated ash . . . . . 0.1 %	1.3	P P P	100 g 7.50 250 g 16.75 1 kg 56.—	
678	**Succinyl dichloride** for synthesis (ORG) $C_4H_4Cl_2O_2$ MW 154.98 1 l = 1.38 kg			25 ml	
7651	**Sucrose** (saccharose) for bacteriology $C_{12}H_{22}O_{11}$ MW 342.30 see also Carbohydrate test leaflets	1.3	P P P	250 g 1 kg 5 kg	
7654	**Sucrose** (saccharose) for density gradient ultracentrifugation $C_{12}H_{22}O_{11}$ MW 342.30		P P	250 g 1 kg	
7674	**Sucrose** (saccharose) for biochemistry (LAB) $C_{12}H_{22}O_{11}$ MW 342.30	1.3	P P	100 g 1 kg	
7653	**Sucrose** (saccharose) extra pure DAB 7, BP 1968, USP XVII $C_{12}H_{22}O_{11}$ MW 342.30 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.3	P P P P	250 g 6.10 1 kg 17.50 5 kg 71.— 50 kg	12.30

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1380	**Sudan III** (C. I. No. 26100) for microscopy	4		25 g 100 g	4.— 9.25	
1387	**Sudan black B** (C. I. No. 26150) for microscopy	2		25 g 100 g	4.75 13.25	
8005 0001	**Sugars and sugar alcohols** reference substances for chromatography L(+)Arabinose D(−)Fructose D(+)Galactose D(+)Glucose D(+)Lactose D(−)Mannitol D(−)Sorbitol L(−)Sorbose Sucrose D(+)Xylose			set	14.75	
8034	**Sulfaguanidine** DAB 7, BP 1958, JP VI, NF XI, Ph Internat I $C_7H_{10}N_4O_2S \cdot H_2O$ MW 232.26	1.6		1 kg 5 kg 50 kg	34.50 155.— price on application	
	Sulfamic acid see Amidosulfonic acid					
	Sulfamic acid ammonium salt see Ammonium amidosulfonate					
8035	**Sulfanilamide** DAB 7, BP 1953, JP VI, NF XI, Ph Internat I $C_6H_8N_2O_2S$ MW 172.21	1.7		1 kg 5 kg 50 kg	32.— 145.— price on application	
686	**Sulfanilic acid** GR $C_6H_7NO_3S$ MW 173.19 CERTIFICATE OF GUARANTEE: Assay (acidimetric) . min. 99% Substances insoluble in sodium carbonate solution . . . max. 0.01 % Chloride (Cl) . max. 0.002 % Sulfate (SO_4) . max. 0.005 % Nitrite (NO_2) . max. 0.00005% Heavy metals (as Pb) . . . max. 0.001 % Sulfated ash . . max. 0.01 %	1.5	P	100 g 250 g	5.80 12.25	
684	**Sulfanilic acid** standard for elementary analysis $C_6H_7NO_3S$ MW 173.19 CERTIFICATE OF GUARANTEE: Carbon (C) . . . . . 41.6% Hydrogen (H) . . . . . 4.1% Nitrogen (N) . . . . . 8.1% Oxygen (O) . . . . . 27.7% Sulfur (S) . . . . . 18.5% Suitable for determination of C, H, N, O, S.	1.5		5 g	6.80	
685	**Sulfanilic acid** cryst. $C_6H_7NO_3S$ MW 173.19	1.6	P	100 g 250 g 1 kg	4.25 9.— 29.50	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7992	**Sulfidogen**® (sulfur-paraffin rods) for generation of hydrogen sulfide	1.8	250 g 1 kg	6.60 20.50	
7991	**Sulfolane** for spectroscopy **Uvasol** $C_4H_8O_2S$ MW 120.17 1 l = 1.26 kg		100 ml 500 ml	24.25 103.—	
7993	**Sulfolane** for synthesis (LAB) $C_4H_8O_2S$ MW 120.17 1 l = 1.26 kg		250 ml 1 l	10.50 32.50	
	Sulfomolybdic acid see Splittgerber's reagent				
7995	**Sulfonazo III** GR (indicator for determination of sulfate) $C_{22}H_{16}N_4O_{14}S_4$ MW 688.65	2–3	5 g	10.—	
7994	**3-Sulfolene** for synthesis (ORG) $C_4H_6O_2S$ MW 118.16	1.5	250 g	14.50	
691	**5-Sulfosalicylic acid** GR and metal (pM) indicator $C_7H_6O_6S \cdot 2\,H_2O$ MW 254.22 CERTIFICATE OF GUARANTEE: Assay . . . . . min. 99% Substances insoluble in water . . . . max. 0.005% Melting-point . . . 108–109° C Chloride (Cl) . . . max. 0.001% Sulfate (SO_4) . . max. 0.02 % Heavy metals (as Pb) . . . max. 0.001% Iron (Fe) . . . . max. 0.001% Salicylic acid . . max. 0.02 % Water . . . . . max. 15 % Sulfated ash . . . max. 0.1 %	1.4	100 g 250 g 1 kg 5 kg 50 kg	4.75 9.75 34.— 134.— price on application	
690	**5-Sulfosalicylic acid** Erg B 6 $C_7H_6O_6S \cdot 2\,H_2O$ MW 254.22 TYPE ANALYSIS: Assay (acidimetric; on anhydrous substance) . . . 99% Melting-point . . . 109–112° C Heavy metals (as Pb) . . . . . 0.002% Iron (Fe) . . . . . 0.002% Free salicylic acid . . . . . 0.2% Loss on drying (105° C) . . . . . 13.5–15.0% Sulfated ash 0.1%	1.4	100 g 250 g 1 kg 50 kg	4.50 8.— 23.25 price on application	
689	**5-Sulfosalicylic acid** $C_7H_6O_6S \cdot 2\,H_2O$ MW 254.22 TYPE ANALYSIS: Assay (acidimetric; on anhydrous substance) . . . 99% Melting-point . . . 109–112° C Heavy metals (as Pb) 0.002% Iron (Fe) . . . . . 0.002% Free salicylic acid 0.2% Loss on drying (105° C) . . . . 13.5–15.0% Sulfated ash . . . 0.1%	1.4	250 g 1 kg 5 kg 50 kg	6.80 20.50 90.— price on application	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
692		**5-Sulfosalicylic acid solution** 20% for detection of albumin in urine 1 l = 1.08 kg		100 ml 500 ml 2½ l	3.25 7.50 28.50	
7983	•I•	**Sulfur** purified DAB 6 S AW 32.06	1.4	2½ kg 5 kg 9051/50 kg	7.50 11.50	1.44
7986	•I•	**Sulfur** DAB 7 S AW 32.06	1.4	2½ kg 5 kg 9051/50 kg	10.— 17.—	2.40
7987	•I•	**Sulfur** finely distributed DAB 7 S AW 32.06	1.4	2½ kg 5 kg 9051/50 kg	10.50 18.—	2.50
7982	•I•	**Sulfur** sublimed DAB 6 S AW 32.06	1.4	2½ kg 5 kg 9051/50 kg	7.60 12.25	1.50
		Sulfur-paraffin rods see Sulfidogen®				
716	•I•	**Sulfuric acid** 25% GR H_2SO_4 MW 98.08 1 l = 1.18 kg CERTIFICATE OF GUARANTEE: Assay of H_2SO_4 min. 25% Chloride (Cl) . max. 0.00005 % Nitrate (NO_3) . max. 0.00002 % Lead (Pb) . . . max. 0.00001 % Copper (Cu) . max. 0.00001 % Iron (Fe) . . . max. 0.00002 % Zinc (Zn) . . . max. 0.00001 % Cadmium (Cd) max. 0.00001 % Arsenic (As) . max. 0.000001% Ammonium (NH_4) . . . . max. 0.0002 % Residue on ignition (as sulfates) . max. 0.0005 % Substances reducing $KMnO_4$ (as SO_2) . . max. 0.0002 %		1 l	6.—	
9286	•I•	**Sulfuric acid** 40% (1.30) for determination of gas metabolism acc. to Knipping H_2SO_4 MW 98.08 1 l = 1.30 kg CERTIFICATE OF GUARANTEE: Assay . . . . . 39.5–40.5% Substances reducing $KMnO_4$ (as SO_2) . . . max. 0.001%		1 l 2½ l	6.— 13.—	

	Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
729 •I• **Sulfuric acid** 90–91% for fat determination acc. to Gerber and determination of nitrates in milk			
H_2SO_4 MW 98.08	1 l = 1.82 kg		
CERTIFICATE OF GUARANTEE:			
Assay 90–91%	Test for oily and fatty substances . . . passes test		
d 15°/15° . . . 1.820–1.825			
Nitrate (NO_3) . max. 0.00002%			
500 ml		4.50	
2½ l		15.—	
60 kg			2.50
5 x 60 kg			2.40
714 •I• **Sulfuric acid** min. 96% (1.84) **Suprapur**®			
H_2SO_4 MW 98.08	1 l = 1.84 kg		
CERTIFICATE OF GUARANTEE:			
Assay . . . . . min. 96%			
Phosphate (PO_4) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm)			
Lead (Pb) . . . . . max. $5 \cdot 10^{-7}$ % (0.005 ppm)			
Copper (Cu) . . . . . max. $5 \cdot 10^{-7}$ % (0.005 ppm)			
Cobalt (Co) . . . . . max. $5 \cdot 10^{-7}$ % (0.005 ppm)			
Nickel (Ni) . . . . . max. $5 \cdot 10^{-7}$ % (0.005 ppm)			
Zinc (Zn) . . . . . max. $5 \cdot 10^{-7}$ % (0.005 ppm)			
Cadmium (Cd) . . . . . max. $5 \cdot 10^{-7}$ % (0.005 ppm)			
Iron (Fe) . . . . . max. $2 \cdot 10^{-6}$ % (0.02 ppm)			
Manganese (Mn) . . . . . max. $5 \cdot 10^{-7}$ % (0.005 ppm)			
Aluminium (Al) . . . . . max. $5 \cdot 10^{-7}$ % (0.005 ppm)			
Thallium (Tl) . . . . . max. $5 \cdot 10^{-7}$ % (0.005 ppm)			
Magnesium (Mg) . . . . . max. $5 \cdot 10^{-7}$ % (0.005 ppm)			
Calcium (Ca) . . . . . max. $3 \cdot 10^{-5}$ % (0.3 ppm)			
Sodium (Na) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm)			
Potassium (K) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm)			
Arsenic (As) . . . . . max. $1 \cdot 10^{-6}$ % (0.01 ppm)			
100 ml		13.75	
1 l		66.—	
731 •I• **Sulfuric acid** 95–97% (about 1.84) GR			
H_2SO_4 MW 98.08	1 l = 1.84 kg		
CERTIFICATE OF GUARANTEE:			
Assay of H_2SO_4 95–97%			
Chloride (Cl) . max. 0.00005 %	Arsenic (As) . max. 0.000001%		
Nitrate (NO_3) . max. 0.00002 %	Ammonium (NH_4) max. 0.0002 %		
Lead (Pb) . . . max. 0.00001 %	Substances reducing $KMnO_4$ (as SO_2) . . max. 0.0002 %		
Copper (Cu) . max. 0.00001 %			
Zinc (Zn) . . . max. 0.00001 %	Residue on ignition . max. 0.0005 %		
Cadmium (Cd) max. 0.00001 %			
Iron (Fe) . . . max. 0.00002 %			
500 ml		4.50	
1 l		7.50	
2½ l		15.—	
standard box			
40 x 500 ml	500 ml	4.25	
5 x 40 x 500 ml	500 ml	4.15	
15 x 1 l	1 l	7.10	
8 x 15 x 1 l	1 l	6.90	
8 x 2½ l	2½ l	14.75	
8 x 8 x 2½ l	2½ l	13.75	
60 kg			2.50
5 x 60 kg			2.40
728 **Sulfuric acid** 95–97% (about 1.84) **Selectipur**®			
H_2SO_4 MW 98.08	1 l = 1.84 kg		
2½ l		prices on application	
standard box 8 x 2½ l	2½ l		
35 kg			
713 •I• **Sulfuric acid** 95–98% (about 1.84) extra pure, DAB 6, BPC 1968, NF X			
H_2SO_4 MW 98.08	1 l = 1.84 kg		
TYPE ANALYSIS:			
Assay 95–98%	Iron (Fe) . . . . . 0.0002 %		
Chloride (Cl) . . . . 0.0002 %	Arsenic (As) 0.00001%		
Nitrate (NO_3) . . . . 0.0001 %	Substances reducing $KMnO_4$ (as SO_2) . 0.002 %		
Heavy metals (as Pb) . . . . . 0.0005 %	Residue on ignition . 0.005 %		
1 l		6.—	
2½ l		12.—	
standard box			
15 x 1 l	1 l	5.70	
8 x 15 x 1 l	1 l	5.50	
8 x 2½ l	2½ l	11.40	
8 x 8 x 2½ l	2½ l	11.20	
60 kg			1.90
5 x 60 kg			1.75

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
748 •|•	**Sulfuric acid** about 98% for determination of nitrogen H_2SO_4 MW 98.08 CERTIFICATE OF GUARANTEE: Assay . . . . . min. 97.5% Total nitrogen (N) max. 0.0005%	1 l = 1.84 kg	500 ml 2½ l	7.— 26.—	
721 •|• *	**Sulfuric acid** fuming min. 30% SO_3 GR H_2SO_4 MW 98.08	1 l = 1.94 kg	500 ml	14.50	
720 •|• *	**Sulfuric acid** fuming min. 65% SO_3 H_2SO_4 MW 98.08	1 l = 1.99 kg	500 ml 2 l 50 kg	8.— 19.—	 2.25
717 •|•	**Sulfuric acid** drying agent for desiccators without moisture indicator (LAB)	1 l = 0.40 kg	2.24 l	11.50	
719	**Sulfuric acid** drying agent for desiccators with moisture indicator (LAB)	1 l = 0.40 kg	2.24 l	12.50	
9076	**0.1 N Sulfuric acid** for fluorometry		1 l	9.—	
9981/0001 •|•	**1 N Sulfuric acid Titrisol®** (DBP No. 971 376) concentrated solution for preparation of 1 litre of 1 N solution		ampoule	4.75	
9984/0001	**0.1 N Sulfuric acid Titrisol®** (DBP No. 971 376) concentrated solution for preparation of 1 litre of 0.1 N solution		ampoule	3.50	
9982/0001	**0.01 N Sulfuric acid Titrisol®** (DBP No. 971 376) concentrated solution for preparation of 1 litre of 0.01 N solution		ampoule	3.50	
	Sulfuric acid Titrisol® (DBP No. 971 376) for determination of phosphorus in iron:				
9983/0001 •|•	for 1 litre 1/1.349 N solution (1 ml = 0.1% phosphorus in 1 g of sample) or for 5 litres 1/6.745 N solution (1 ml = 0.01% phosphorus in 2 g of sample)		ampoule	3.50	
9980/0001 •|•	for 1 litre 1/6.745 N solution (1 ml = 0.01% phosphorus in 2 g of sample)		ampoule	3.50	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Sulfuric acid-d_2 see *di*-Deuterosulfuric acid				
	Sulfuric chlorohydrin see Chlorosulfonic acid				
761	**Sulfurous acid** 5–6% SO_2 GR SO_2 MW 64.06 1 l = 1.03 kg CERTIFICATE OF GUARANTEE: Assay of SO_2 . min. 5% · Zinc (Zn) . . . max. 0.00001% Chloride (Cl) . max. 0.0005 % · Cadmium (Cd) . max. 0.00001% Lead (Pb) . . . max. 0.00001% · Arsenic (As) . max. 0.00005% Iron (Fe) . . . . max. 0.0001 % · Residue on ignition Copper (Cu) . . max. 0.00001% · (as SO_4) . . . max. 0.002 %		1 l 2½ l	4.25 8.50	
7997	**Sulfuryl chloride** for synthesis (LAB) SO_2Cl_2 MW 134.97 1 l = 1.66 kg TYPE ANALYSIS: Assay of SO_2Cl_2 . . . 99% · Iron (Fe) . . . . . 0.0005% Heavy metals (as Pb) 0.0005% · Residue on ignition . 0.01 %		500 ml 2½ l	6.80 22.—	
9037	**Sulkowitch's reagent** for calcium 1 l = 1.02 kg		500 ml	6.—	
	Sun-screening substances (UV Filters for cosmetics)				
5370	**Sun-screening substance** 3573 oil-soluble	1	1001/1 kg 5001 5 kg carton 40 kg (4 plastic containers of 10 kg)	60.— 279.— 53.—	
5376	**Sun-screening substance** 4360 oil-soluble	1.9	1001/1 kg 5001 5 kg 25 kg	56.— 265.—	50.—
5369	**Sun-screening substance** 6653 oil-soluble	1.8	1001/1 kg 5001 5 kg 25 kg	46.— 210.—	37.50
5368	**Sun-screening substance** 161 water-soluble	4.6	1001/1 kg 5001 5 kg 25 kg	98.— 475.—	93.—
5372	**Sun-screening substance** 232 for aqueous formulations	4	1001/1 kg 25 kg	92.—	83.—

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packin Prices per kg DM
		Suprapur® see page 789				
8024	•I•	**Szintifix® Cd 25**	1 l = 0.89 kg	1 l	53.—	
8025	•I•	**Szintifix® Cd 50**	1 l = 0.92 kg	1 l	79.—	
8026	•I•	**Szintifix® D**	1 l = 1.01 kg	250 ml 1 l	26.25 90.—	
8027	•I•	**Szintifix® T**	1 l = 0.87 kg	250 ml 1 l	12.75 39.50	
8028		**Szintimix I**	3	25 g 100 g	35.— 120.—	
8029		**Szintimix II**	1.5	25 g 100 g	30. - 100.—	
		other Scintillation chemicals see page 814				

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4556	**Tablet coating mixture for suspension**		□	9051/50 kg	price on application	
8196	**Tableting aid D**		□	20 kg	prices on application	
8197	**Tableting aid K**		□	15 kg		
8198	**Tableting aid T**		□	20 kg		
8070	**Talc** extra fine powder DAB 7	1.7	P	2½ kg	6.80	
				5 kg	11.50	
			□	9051/50 kg		1.65
773	**Tannic acid** powder pure DAB 7, BP 1968	2–5	▭	250 g	8.—	
				1 kg	25.25	
				5 kg	111.—	
			□	25 kg		19.75
797	**Tannic acid** T. L. powder	2–5	P	1 kg	19.—	
				5 kg	84.—	
			□	25 kg		15.75
779	**Tannic acid** X powder	2–5	P	1 kg	22.50	
				5 kg	100.—	
			□	25 kg		18.50
	Tannin see Tannic acid					
8172	**Tantalum(V) oxide** tablets **Patinal**® one tablet about 0.5 g Ta_2O_5 MW 196.95		▭	100 g	190.—	
				1 kg	price on application	
	Tartar emetic see Potassium antimony(III) oxide tartrate					
799	D(–)**Tartaric acid** for resolution of racemates (LAB) $C_4H_6O_6$ MW 150.09	1.2				
804	L(+)**Tartaric acid** GR $C_4H_6O_6$ MW 150.09 CERTIFICATE OF GUARANTEE: Assay of $C_4H_6O_6$ min. 99.5% Residue on ignition (as sulfates) . max. 0.01 % Chloride (Cl) . . max. 0.0005% Sulfate (SO_4) . . max. 0.005 % Heavy metals (as Pb) . . . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Calcium (Ca) . . max. 0.002 %	1				

		Volume		Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
				DM	DM
802	L(+)**Tartaric acid** cryst. extra pure DAB 7, BP 1968, NF XII $C_4H_6O_6$ MW 150.09 TYPE ANALYSIS: Assay (acidimetric) . . 99.5% Chloride (Cl) . . . . . 0.002% Sulfate (SO_4) . . . . . 0.02 % Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.002% Residue on ignition (as sulfates) . . . . 0.05 %	1.1	P 9051/50 kg	500 g 5.25 1 kg 9.— 5 kg 35.—	5.60
803	L(+)**Tartaric acid** powder extra pure DAB 7, BP 1968, NF XII $C_4H_6O_6$ MW 150.09 TYPE ANALYSIS: Assay (acidimetric) . . 99.5% Chloride (Cl) . . . . . 0.002% Sulfate (SO_4) . . . . . 0.02 % Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.002% Residue on ignition (as sulfates) . . . . 0.05 %	1.3	P 9051/50 kg	500 g 5.25 1 kg 9.— 5 kg 35.—	5.60
4560	**Tartrazine** (C. I. No. 19140, S. No. 737) food dye E 102 $C_{16}H_9N_4Na_3O_9S_2$ MW 534.37	2		100 g 9.—	
8616	**Taurine** for synthesis (ORG) $C_2H_7NO_3S$ MW 125.15			250 g 13.—	
5407	**TB broth** acc. to Dubos (base) for microbiology (11.6 g for 1 litre of culture medium)	1.7		0012/11.6 g 2.75 500 g 27.50 10 x 500 g 26.	
8282	**TCT selective agar** for streptococcus agalactiae (thallium-sulfate crystal-violet esculin base) for microbiology (34 g for 1 litre of culture medium)	1.7		34 g 5.50 500 g 51.— 10 x 500 g 47.50	
8100	**Tellurium** powder Te AW 127.60 TYPE ANALYSIS: Assay (gravimetric) . . 99 % Chloride (Cl) . . . . . 0.05% Total sulfur (S) . . . . 0.01% Selenium (Se) 0.05%	0.4	P	25 g 6.30 100 g 21.—	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
9183	•I•	**Temperature indicator** 17/24 **Licristal®** 10% in 1,1,2-Trichlorotrifluoroethane, 17° C red, 21° C green, 24° C blue	1 l = 1.57 kg		50 ml	45.—	
9184	•I•	**Temperature indicator** 24/28 **Licristal®** 10% in 1,1,2-Trichlorotrifluoroethane, 24° C red, 26° C green, 28° C blue	1 l = 1.57 kg		50 ml	45.—	
9185	•I•	**Temperature indicator** 28/34 **Licristal®** 10% in 1,1,2-Trichlorotrifluoroethane, 28° C red, 30° C green, 34° C blue	1 l = 1.57 kg		50 ml	45.—	
9186	•I•	**Temperature indicator** 32/36 **Licristal®** 10% in 1,1,2-Trichlorotrifluoroethane, 32° C red, 34° C green, 36° C blue	1 l = 1.57 kg		50 ml	45.—	
9187	•I•	**Temperature indicator** 35/39 **Licristal®** 10% in 1,1,2-Trichlorotrifluoroethane, 35° C red, 37° C green, 39° C blue	1 l = 1.57 kg		50 ml	45.—	
9188	•I•	**Temperature indicator** 37/41 **Licristal®** 10% in 1,1,2-Trichlorotrifluoroethane, 37° C red, 39° C green, 41° C blue	1 l = 1.57 kg		50 ml	45.—	
9189	•I•	**Temperature indicator** 40/45 **Licristal®** 10% in 1,1,2-Trichlorotrifluoroethane, 40° C red, 42° C green, 45° C blue	1 l = 1.57 kg		50 ml	45.—	
9190	•I•	**Temperature indicator** 44/49 **Licristal®** 10% in 1,1,2-Trichlorotrifluoroethane, 44° C red, 47° C green, 49° C blue	1 l = 1.57 kg		50 ml	45.—	
8617		**Terephthalaldehyde** for synthesis (ORG) $C_8H_6O_2$ MW 134.14		2	100 g	23.	
740	•I•	**Terephthaloyl dichloride** for synthesis (ORG) $C_8H_4Cl_2O_2$ MW 203.03			250 g	13.75	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5471	**Tergitol® 7 agar** for microbiology (30 g for 1 litre of culture medium)	2		30 g 500 g 10 x 500 g	5.— 48.— 45.—	
	® trademark of the Union Carbide and Carbon Corporation					
8099	***p*-Terphenyl** m. pt. 212–213° C scintillation grade $C_{18}H_{14}$ MW 230.31	2.6	P	100 g 500 g	21.— 87.50	
8111	**Terpin hydrate** cryst. DAB 6, BPC 1959, NF XI $C_{10}H_{20}O_2 \cdot H_2O$ MW 190.29	2.2		500 g 1 kg 5 kg 50 kg	6.80 12.25 47.25	8.40
5496	**Test leaflets** for detection of hydrogen sulfide formation			30 leaflets 150 leaflets (5 x 30)	6.30 25.25	
5495	**Test leaflets** for detection of indole formation			30 leaflets 150 leaflets (5 x 30)	6.30 25.25	
5497	**Test leaflets** for detection of urease formation			30 leaflets 150 leaflets (5 x 30)	6.30 25.25	
8973	**Testosterone** (17β-hydroxy-4-androsten-3-one) for biochemistry (LAB) $C_{19}H_{28}O_2$ MW 288.43	3		0.1 g 1 g	5.30 23.75	
8984	**Testosterone hydrogen sulfate sodium salt** for biochemistry (LAB) $C_{19}H_{27}NaO_5$ MW 358.41	2		0.1 g	6.30	
501903	**Testosterone** (17β-hydroxy-4-androsten-3-one) DAB 7, BP 1968, NF XII $C_{19}H_{28}O_2$ MW 288.43	2.2		100 g 250 g 1 kg	119.— 284.— 1129.—	

Test papers see page 157

Tetraacetyl-α-glucopyranosil bromide
see α-Acetobromoglucose

3,3′,4,4′-Tetraaminodiphenyl tetrahydrochloride
see 3,3′-Diammoniobenzidinium tetrachloride

3,3′5,5′-Tetrabromo-*m*-cresolsulfonphthalein
see Bromocresol green

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
33	•|•	**1,1,2,2-Tetrabromoethane** red $Br_2CHCHBr_2$ MW 345.67	1 l = 2.96 kg	250 ml 1 l	20.50 72.—	
34	•|•	**1,1,2,2-Tetrabromoethane** $Br_2CHCHBr_2$ MW 345.67	1 l = 2.96 kg	250 ml 1 l	19.50 67.—	
		1,1,2,2-Tetrabromoethane for separation of minerals see Muthmann's liquid				
		Tetrabromofluorescein-sodium see Eosin yellowish				
		3,3′5,5′-Tetrabromophenolsulfonphthalein see Bromophenol blue				
8096		**Tetrabromophthalic anhydride** for synthesis (ORG) $C_8Br_4O_3$ MW 463.70	1.5	250 g	15.50	
[illegible]	•|•	**0.1 N Tetrabutylammonium hydroxide solution** in 2-propanol/methanol for titrations in non-aqueous media		250 ml 1 l	15.75 51.—	
[illegible]	•|•	**Tetrabutyltin** for synthesis (ORG) $C_{16}H_{36}Sn$ MW 347.16	1 l = 1.05 kg	100 ml	13.25	
[illegible]		1,2,4,5-**Tetrachlorobenzene** for synthesis (ORG) $C_6H_2Cl_4$ MW 215.89	1.5	500 g	[illegible]	
		3,4,5,6-Tetrachloro-1,2-benzenedicarboxylic anhydride see 3,4,5,6-Tetrachlorophthalic anhydride				
		Tetrachloro-*p*-benzoquinone see Chloranil				
8281	•|•	**1,1,2,2-Tetrachloroethane** for synthesis (LAB) $Cl_2CHCHCl_2$ MW 167.85	1 l = 1.60 kg	250 ml 1 l	14.75 49.50	
		1,1,2,2-Tetrachloroethane-d_2 see 1,2-Dideutero-1,1,2,2-tetrachloroethane				

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
965	**Tetrachloroethylene** for spectroscopy **Uvasol®** C_2Cl_4 MW 165.83 CERTIFICATE OF GUARANTEE: Suitability for UV spectroscopy (1-cm cell; reference : water) Transmittance at 290 nm . . . . . min. 10% 300 nm . . . . . min. 75% 320 nm . . . . . min. 85% 400 nm . . . . . min. 95% Suitability for IR and NMR spectroscopy passes test	1 l = 1.62 kg		500 ml 9.— 2½ l 36.—	
964	**Tetrachloroethylene** extra pure C_2Cl_4 MW 165.83	1 l = 1.62 kg		500 ml 4.50 1 l 8.— 2½ l 17.—	
				60 kg	3.50
1022	**Tetrachloroethylene Selectipur®** C_2Cl_4 MW 165.83	1 l = 1.62 kg		2½ l price on application	
	Tetrachlorogold(III) acid see Gold trichloride acid				
	Tetrachloromethane see Carbon tetrachloride				
741	**3,4,5,6-Tetrachlorophthalic anhydride** for synthesis (ORG) $C_8Cl_4O_3$ MW 285.90			1 kg 13.75	
	Tetrachlorophthalic anhydride see 3,4,5,6-Tetrachlorophthalic anhydride				
	Tetracosanoic acid see Lignoceric acid				
8240	**Tetracyanoethylene** for synthesis (ORG) C_6N_4 MW 128.09	3		5 g 35.—	
9608	***n*-Tetradecane** reference substance for gas chromatography $C_{14}H_{30}$ MW 198.40			5 ml 21.—	
	Tetradecanoic acid see Myristic acid				

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
		Tetradecanoyl chloride see Myristoyl chloride				
8601		**1-Tetradecene** for synthesis (ORG) $C_{14}H_{28}$ MW 196.38	1 l = 0.77 kg	500 ml	10.—	
8146		**Tetradecyl alcohol** (1-tetradecanol, myristyl alcohol) for synthesis (LAB) $C_{14}H_{30}O$ MW 214.39		250 g 1 kg	8.— 24.25	
		Tetradecyl bromide see 1-Bromotetradecane				
2902	•|•	**Tetradeuteroacetic acid** deuteration degree not less than 99% for spectroscopy **Uvasol**® CD_3COOD MW 64.08 CERTIFICATE OF GUARANTEE: Suitability for IR and NMR spectroscopy passes test	1 l = 1.12 kg	1 ml 10 ml 50 ml	6.50 35.— 150.—	
		Tetradeuteroammonium chloride see *tetra*-Deuteroammonium chloride, page 232				
3413		**Tetradeuteroethylene glycol** deuteration degree not less than 99% $C_2H_2D_4O_2$ MW 66.09	1 l = 1.19 kg	1 ml 10 ml	24.— 200.—	
3421		**Tetradeuteromalonic acid** deuteration degree not less than 99% $C_3D_4O_4$ MW 108.09		5 g	33.—	
2915	•|•	**Tetradeuteromethanol** deuteration degree not less than 99% for spectroscopy **Uvasol**® CD_3OD MW 36.07 CERTIFICATE OF GUARANTEE: Suitability for IR and NMR spectroscopy passes test	1 l = 0.89 kg	1 ml 5 ml 10 ml 100 ml	7.— 24.— 45.— 400.—	

		Volume		Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
				DM	DM
8652	**2,2,3,3-Tetradeutero-3(trimethylsilyl)-propionic acid sodium salt** for spectroscopy **Uvasol**® $C_6H_9D_4NaO_2Si$ MW 172.27		1 g 5 g	15.— 55.—	
	1,1,3,3-Tetraethoxypropane see Malondialdehyde tetraethylacetal				
8109	**Tetraethylammonium iodide** for polarography $C_8H_{20}IN$ MW 257.16 CERTIFICATE OF GUARANTEE: Assay (argentometric) . min. 99% Substances insoluble in water . . . . . passes test Heavy metals (as Pb) . . . . max. 0.001% Iron (Fe) . . . . max. 0.001% Sulfated ash . . . max. 0.1 %	1.4	25 g	13.75	
8256 •I•	**Tetraethylenepentamine** (Tetren) about 20% in water GR $C_8H_{23}N_5$ MW 189.31 1 l = 1.02 kg		250 ml 1 l	6.30 18.50	
7416 •I• †	**Tetraethyllead** for synthesis (ORG) $C_8H_{20}Pb$ MW 323.44 1 l = 1.65 kg		200 ml	74.—	
658 •I•	**Tetraethyl orthosilicate** for synthesis (LAB) $C_8H_{20}O_4Si$ MW 208.33 1 l = 0.93 kg		250 ml 1 l	8.50 26.—	
	Tetraethylrhodamine see Rhodamine B				
8106	**Tetraethylthiuram disulfide** $C_{10}H_{20}N_2S_4$ MW 296.54	1.3	1 kg 50 kg	29.— price on application	
8705	**Tetraethyltin** for synthesis (ORG) $C_8H_{20}Sn$ MW 234.94 1 l = 1.19 kg		10 ml	37.50	
8974	**Tetrahydrocortisol** (3α11β,17α,21-tetrahydroxy-5β-pregnan-20-one) for biochemistry (LAB) $C_{21}H_{34}O_5$ MW 366.50	3	0.1 g	36.75	
8975	**Tetrahydrocortisone** (3α,17α,21-trihydroxy-5β-pregnane-11,20-dione) for biochemistry (LAB) $C_{21}H_{32}O_5$ MW 364.49	3	0.1 g	72.—	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8247		**Tetrahydrodicyclopentadiene** for synthesis (ORG) $C_{10}H_{16}$ MW 136.23		100 g	12.75	
9731	•I•	**Tetrahydrofuran** GR C_4H_8O MW 72.11 1 l = 0.88 kg CERTIFICATE OF GUARANTEE: Assay (gas chromatographic) . . . min. 99% d 20°/4° . . . . . 0.887–0.889 Refractive index ($n_D^{20°}$) . . . 1.407–1.408 Boiling-range . . 65–66.5° C Non-volatile substances . . max. 0.0015% Water (acc. to Karl Fischer) . max. 0.1 %		[illegible] ml 1 l 2½ l	7.25 12.25 26.25	
8107		**Tetrahydrofuran** dried (max. 0.01% H_2O) GR C_4H_8O MW 72.11 1 l = 0.88 kg		1 l	16.—	
8110	•I•	**Tetrahydrofuran** for spectroscopy **Uvasol**® C_4H_8O MW 72.11 1 l = 0.88 kg CERTIFICATE OF GUARANTEE: Suitability for UV spectroscopy (1-cm cell; reference : water) Transmittance at 240 nm . . . . . min. 30% 250 nm . . . . . min. 52% 260 nm . . . . . min. 70% 280 nm . . . . . min. 89% 320 nm . . . . . 100% Suitability for IR spectroscopy passes test		500 ml	26.25	
8114	•I•	**Tetrahydrofuran** pure C_4H_8O MW 72.11 1 l = 0.88 kg		500 ml 1 l 2½ l	6.30 10.— 22.75	
		Tetrahydrofuran-d_8 see Octadeuterotetrahydrofuran				
		Tetrahydrofuran-2,5-dione see Succinic anhydride				
8072		**Tetrahydrofurantetracarboxylic acid** for synthesis (ORG) $C_8H_8O_9$ MW 248.15	2	100 g	10.—	
8073		**Tetrahydrofurantetracarboxylic dianhydride** for synthesis (ORG) $C_8H_4O_7$ MW 212.12	0.9	100 g	10	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
9638	**Tetrahydrofurfuryl alcohol** GR $C_5H_{10}O_2$ MW 102.13 CERTIFICATE OF GUARANTEE: Assay (gas chromatographic) . . . . min. 99% d 20°/4° . . . . . 1.052–1.055 Refractive index ($n_D^{20°}$) . . . . . 1.451–1.453 Boiling-range (95%) 175–178° C	1 l = 1.04 kg	500 ml 1 l	9.50 17.—	
8225	**1,2,3,4-Tetrahydroisoquinoline** for synthesis (ORG) $C_9H_{11}N$ MW 133.19	1 l = 1.04 kg	50 ml	12.25	
5969	**Tetrahydro-2-methylpyran** for synthesis (ORG) $C_6H_{12}O$ MW 100.16	1 l = 0.85 kg	250 ml	14.25	
	Tetrahydro-3-methylthiophene 1,1-dioxide see 3-Methylsulfolane				
9733	**1,2,3,4-Tetrahydronaphthalene** for synthesis (LAB) $C_{10}H_{12}$ MW 132.21 TYPE ANALYSIS: Assay (gas chromatographic) . . . 98% d 20°/4° . . . . 0.966–0.971 Refractive index ($n_D^{20°}$) . . . . 1.5402–1.5417 Boiling-range . . . 204–207° C Water (acc. to Karl Fischer) . . 0.05%	1 l = 0.96 kg	250 ml aluminium bottle 1¼ l	8.— 31.50	
	1,2,3,4-Tetrahydro-1-naphthalenone see α-Tetralone				
	Tetrahydro-1,4-oxazine see Morpholine				
742	**Tetrahydrophthalic anhydride** for synthesis (ORG) $C_8H_8O_3$ MW 152.15		1 kg	15.75	
8182	**Tetrahydropyran** for synthesis (LAB) $C_5H_{10}O$ MW 86.13	1 l = 0.88 kg	100 ml 250 ml	9.25 20.50	
8224	**1,2,3,4-Tetrahydroquinoline** for synthesis (ORG) $C_9H_{11}N$ MW 133.19	1 l = 1.06 kg	100 ml	22.75	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	py-Tetrahydroserpentine see Ajmalicine					
	Tetrahydrothiophene 1,1-dioxide see Sulfolane					
	galacto-Tetrahydroxyadipic acid see Mucic acid					
8126	**1,2,5,8-Tetrahydroxyanthraquinone** (quinalizarin) GR $C_{14}H_8O_6$ MW 272.22 CERTIFICATE OF GUARANTEE: Sulfated ash . . . max. 1% Suitability for determination of metals . . . . passes test	4.5		25 g 100 g	8.50 25.75	
8138	**Tetrahydroxy-*p*-benzoquinone** GR (for titrimetric determination of sulfates) $C_6H_4O_6$ MW 172.10 CERTIFICATE OF GUARANTEE: Assay . . . . . min. 99% Sulfated ash . . . max. 0.1% Suitability for detection of barium . . . passes test Suitability as indicator for sulfate titration . passes test	3		1 g 5 g	5.50 19.—	
	galacto-Tetrahydroxyhexanedioic acid see Mucic acid					
	3α,11β,17α,21-Tetrahydroxy-5β-pregnan-20-one see Tetrahydrocortisol					
	2,4,5,7-Tetraiodofluorescein alkali salt see Erythrosine					
	Tetrakis(2,4-pentanedionato)zirconium (IV) see Zirconium(IV) acetylacetonate					
8203	**α-Tetralone** for synthesis (ORG) $C_{10}H_{10}O$ MW 146.19 1 l = 1.09 kg			100 ml	15.75	
8127	**Tetramethylammonium bromide** for polarography $C_4H_{12}BrN$ MW 154.06 CERTIFICATE OF GUARANTEE: Assay (argentometric) min. 99% Substances insoluble in water . . . . passes test Heavy metals (as Pb) . . . . max. 0.001% Iron (Fe) . . . . max. 0.001% Sulfated ash . . . max. 0.1 %	1.4		25 g 100 g	6.60 19.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8123	**Tetramethylammonium hydroxide solution** 10% for polarography $C_4H_{13}NO$ MW 91.15 1 l = 1.00 kg CERTIFICATE OF GUARANTEE: Assay . . . . . about 10% Chloride (Cl) . . max. 0.002% Heavy metals (as Pb) . . . . max. 0.001% Iron (Fe) . . . . max. 0.0005% Residue on ignition (as sulfates) . max. 0.05 %		50 ml 250 ml	8.50 36.25	
8210	**Tetramethylammonium hydroxide solution** 10% for examination of steroids $C_4H_{13}NO$ MW 91.15 1 l = 1.00 kg CERTIFICATE OF GUARANTEE: Assay (acidimetric) . about 10% Chloride (Cl) . . max. 0.004 % Heavy metals (as Pb) . . . max. 0.001 % Iron (Fe) . . . . max. 0.0005% Sulfated ash . . max. 0.05 %		50 ml	8.50	
8124	**0.1 N Tetramethylammonium hydroxide solution** in 2-propanol/methanol for titrations in non-aqueous media		250 ml 1 l	15.75 51.–	
8113	**Tetramethylammonium iodide** for polarography $C_4H_{12}IN$ MW 201.05 CERTIFICATE OF GUARANTEE: Assay (argentometric) min. 99% Substances insoluble in water . . . passes test Heavy metals (as Pb) . . . . max. 0.001% Iron (Fe) . . . . max. 0.001% Sulfated ash . . max. 0.1 %	1.2	25 g 100 g	7.75 23.25	
8624	**1,2,4,5-Tetramethylbenzene** for synthesis (ORG) $C_{10}H_{14}$ MW 134.22		100 g	11.50	
6902	**1,1,3,3-Tetramethylbutylamine** for synthesis (ORG) $C_8H_{19}N$ MW 129.25 1 l = 0.77 kg		250 ml	10.50	
8279	**Tetramethylenediamine** for synthesis (ORG) $C_4H_{12}N_2$ MW 88.15 1 l = 0.88 kg		50 ml	8.–	

Tetramethylene sulfone see Sulfolane

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8183	**Tetramethylsilane** for calibration of NMR spectra **Uvasol** $(CH_3)_4Si$ MW 88.23 1 l = 0.65 kg		10 ml 100 ml	7.50 53.—	
	Tetramethylsilane 1% v/v in deuterochloroform see Deuterochloroform				
8205	**Tetramethylurea** for synthesis (LAB) $C_5H_{12}N_2O$ MW 116.16 1 l = 0.97 kg		100 ml 250 ml 1 l	13.25 31.— 108.—	
	Tetramethylurea-d_{12} see Dodecadeuterotetramethylurea				
8150	**Tetraphenylarsonium chloride** GR $C_{24}H_{20}AsClH_2O$ MW 436.82		5 g	17.50	
	Tetraphenylboron sodium see Kalignost®				
8147	**1,1,4,4-Tetraphenyl-1,3-butadiene** (TPB) scintillation grade $C_{28}H_{22}$ MW 358.49	7–8	5 g 100 g	18.— 300.—	
8736	**Tetraphenyllead** for synthesis (ORG) $C_{24}H_{20}Pb$ MW 515.62	1	25 g	15.—	
8243	**Tetraphenylphosphonium bromide** for synthesis (ORG) $C_{24}H_{20}BrP$ MW 419.31		25 g	17.—	
8244	**Tetraphenylphosphonium chloride** for synthesis (ORG) $C_{24}H_{20}ClP$ MW 374.85		10 g 25 g	25.25 60.—	
8102	**Tetraphenylstannane** for synthesis (LAB) $C_{24}H_{20}Sn$ MW 427.12		50 g	19.—	
8202	**Tetrapropylenebenzenesulfonate solution** 5% standard for determination anionic detergents 1 l = 1.00 kg		1 l	9.25	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Tetrasodium ethylenediaminetetraacetate see Ethylenediaminetetraacetic acid tetrasodium salt				
	Tetrasodium ethylenedinitrilotetraacetate see Ethylenediaminetetraacetic acid tetrasodium salt				
	Tetrasodium pyrophosphate see *tetra*-Sodium diphosphate				
8103	**Tetrazolium blue** for microscopy $C_{40}H_{32}Cl_2N_8O_2$ MW 727.66	2	1 g 5 g	11.75 44.25	
8104	**Tetrazolium purple** for microscopy $C_{38}H_{28}Cl_2N_8$ MW 667.61	4	1 g	15.25	
	Tetrazolium salt see 2,3,5-Triphenyltetrazolium chloride				
8132	**Thallium(I) bromide** for spectroscopy **Uvasol®** TlBr MW 284.28 Suitability for IR spectroscopy passes test	0.5	50 g	19.—	
8137	**Thallium(I) bromide** for synthesis (LAB) TlBr MW 284.28	0.5	25 g 100 g	6.25 19.—	
8139	**Thallium(I) bromide Optipur®** TlBr MW 284.28	0.5	100 g 1 kg	prices on application	
8130	**Thallium(I) bromide Selectipur®** TlBr MW 284.28	0.5	250 g 1 kg	prices on application	
8149	**Thallium(I) chloride** GR TlCl MW 239.82	0.5	50 g	16.—	
8133	**Thallium(I) chloride Selectipur®** TlCl MW 239.82	0.5	250 g 1 kg	prices on application	
	Thallium(I) formate and malonate see Clerici's solution				

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8143	**Thallium(I) iodide** GR TlI MW 331.27	0.6		50 g	14.—	
8148	**Thallium(I) iodide Optipur®** TlI MW 331.27	0.5		100 g 1 kg	prices on application	
8131	**Thallium(I) iodide Selectipur®** TlI MW 331.27	0.6		250 g 1 kg	prices on application	
8134	**Thallium(I) nitrate** $TlNO_3$ MW 266.37 TYPE ANALYSIS: Assay of $TlNO_3$ . . . 99% Chloride (Cl) . . . . 0.002 % Sulfate (SO_4) . . . . 0.02 % Silver (Ag) . . . . . 0.002 % Copper (Cu) . . . . 0.0005% Iron (Fe) . . . . . 0.0005% Aluminium (Al) . . . 0.001 %	0.4	P	100 g	22.25	
8144	**Thallium(I) nitrate** GR $TlNO_3$ MW 266.37 CERTIFICATE OF GUARANTEE: Assay of $TlNO_3$. min. 99% pH (5% solution) 3.5–5.5 Chloride (Cl) . . max. 0.002 % Sulfate (SO_4) . . max. 0.02 % Silver (Ag) . . . max. 0.0005% Lead (Pb) . . . . max. 0.0005% Copper (Cu) . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Magnesium (Mg) max. 0.0005% Calcium (Ca) . . max. 0.005 % Sodium (Na) . . max. 0.005 % Potassium (K) . max. 0.005 %	0.4	P	50 g	14.—	
8135	**Thallium(I) sulfate** for milk bacteriology Tl_2SO_4 MW 504.80	0.5	F	25 g 100 g	5.— 13.50	
	THAM see Tris(hydroxymethyl)-aminomethane					
8201	**1-(2-Thenoyl)-3,3,3-trifluoroacetone** GR $C_8H_5F_3O_2S$ MW 222.19	0.9		10 g 100 g	9.50 74.—	
8402	**Theophylline** cryst. pure NF XII $C_7H_8N_4O_2 \cdot H_2O$ MW 198.18 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2		1 kg 5 kg 50 kg	25.25 110.—	18.50
8403	**Theophylline** anhydrous powder pure DAB 7, BP 1968, NF XII, USP XV $C_7H_8N_4O_2$ MW 180.17	1.6		1 kg 5 kg 50 kg	26.25 116.—	19.—

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8248	**Theophylline ethylenediamine** DAB 7, BP 1968, Ph Internat I $C_{16}H_{24}N_{10}O_4 \cdot 2\,H_2O$ MW 456.46 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2.4	1 kg 5 kg 50 kg	25.25 110.—	 18.50
8189	**Thermolysine** cryst. 6000 PU/mg for biochemistry (LAB) Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.		0.1 g 0.25 g 1 g	32.50 70.— 240.—	
500677	**Thiamine disulfide** $C_{24}H_{34}N_8O_4S_2$ MW 562.72	3	100 g 1 kg	prices on application	
8181	**Thiaminium dichloride** (thiamine hydrochloride, vitamin B_1 hydrochloride) for biochemistry (LAB) $C_{12}H_{18}Cl_2N_4OS \cdot x\,H_2O$ MW 337.27 (anhydrous) TYPE ANALYSIS: Assay (on dried substance) . . 98.5% Melting-range (decomposition) about 250° C Heavy metals (as Pb) . 0.002% Loss on drying (105°C) 3–5% Sulfated ash 0.1%	4	10 g 25 g	4.50 6.80	
500923	**Thiaminium dichloride** (thiamine hydrochloride, vitamin B_1 hydrochloride) DAB 7, BP 1963, Cod Franç 1965, JP VII, Ph Internat I, Ph Ned VI, USP XVII $C_{12}H_{18}Cl_2N_4OS \cdot x\,H_2O$ MW 337.27 (anhydrous) Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	4	100 g 250 g 1 kg 5 kg 25 kg	prices on application	
501192	**Thiaminium dichloride** (thiamine hydrochloride, vitamin B_1 hydrochloride) **concentrate** about 33% for dry pharmaceutical preparations, spray-dried		1 kg 5 kg	prices on application	
	Thiaminium diphosphoric acid ester chloride see Cocarboxylase				
	Thiaminium diphosphoric acid ester tetrahydrate see Cocarboxylase tetrahydrate				

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
500980	**Thiaminium mononitrate** (vitamin B_1 mononitrate) DAB 7, JP VII, USP XVII $C_{12}H_{17}N_5O_4S$ MW 327.36	1.6	100 g 1 kg 5 kg 25 kg		
501159	**Thiaminium mononitrate** (vitamin B_1 mononitrate) 33.3%, coated (special quality)	1.5	1 kg 5 kg 25 kg		
501184	**Thiaminium mononitrate** (vitamin B_1 mononitrate) **concentrate** about 33% for dry pharmaceutical preparations, spray dried		1 kg 5 kg		
500665	**Thiaminium phosphoric acid ester dichloride** * $C_{12}H_{19}Cl_2N_4O_4PS \cdot 2\,H_2O$ MW 453.30	1.5	100 g 1 kg	prices on application	
500667	**Thiaminium phosphoric acid ester monochloride** * $C_{12}H_{18}ClN_4O_4PS \cdot 2\,H_2O$ MW 416.82	2.1	1 kg 5 kg		
500666	**Thiaminium phosphoric acid ester phosphate** * $C_{12}H_{20}N_4O_8P_2S$ MW 442.33	3.5	100 g 1 kg		
	* Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.				
501156	**Thiaminium phosphoric acid ester phosphate** 33.3%, coated	1.9	1 kg		
	Thiaminium pyrophosphate chloride see Cocarboxylase				
	Thiaminium pyrophosphoric acid ester chloride see Cocarboxylase				
	Thiazole yellow see Titan yellow				
1272	**2-Thiazolylamine** for synthesis (ORG) $C_3H_4N_2S$ MW 100.14		100 g	9.	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8170	**Thioacetamide** GR CH_3CSNH_2 MW 75.13 CERTIFICATE OF GUARANTEE: Assay (ex N) . . min. 99% Melting-point . . 110–112° C Heavy metals (as Pb) . . . max. 0.001 % Iron (Fe) . . . . max. 0.0005% Sulfated ash . . . max. 0.05 %	1.4	25 g 100 g 250 g 1 kg 5 kg	7.50 23.– 55.– 197.– 880.	
8076	**Thioacetic acid** for synthesis (ORG) C_2H_4OS MW 76.12 1 l = 1.07 kg		100 ml	20.–	
	m-Thioanisidine see 3-Methylthioaniline				
8180	**2-Thiobarbituric acid** reagent for sorbic acid $C_4H_4N_2O_2S$ MW 144.15 Assay (ex N) . . . . min. 98%	2	25 g	8.–	
	Thiocarbamide see Thiourea				
	DL-6,8-Thioctic acid see DL-α-Lipoic acid				
8625	**2,2′-Thiodiacetic acid** for synthesis (ORG) $C_4H_6O_4S$ MW 150.15	1.5	250 g 1 kg	9.– 27.50	
	4,4′-Thiodianiline see 4,4′-Diaminodiphenylsulfide				
8174	**2,2′-Thiodiethanol** GR $C_4H_{10}O_2S$ MW 122.19 1 l = 1.18 kg		100 ml 500 ml 1 l	7.50 27.75 53.–	
	Thiodiglycol see 2,2′-Thiodiethanol				
	Thiodiglycollic acid see 2,2′-Thiodiacetic acid				
8743	**Thioflavine S** (C. I. No. 49010, S. No. 933) for microscopy	2	25 g	8.–	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8190		**Thioglycollate broth** for microbiology (29 g for 1 litre of culture medium)	1.7	29 g 500 g 10 x 500 g	3.50 22.50 20.50	
8576/0001		**Thioglycollate indicator paper** booklet cont. 100 strips		10 booklets booklet	1.25	
8191		**Thioglycollate nutrient medium** (semi-solid) for microbiology (30 g for 1 litre of culture medium)	1.8	30 g 500 g 10 x 500 g	3.50 22.50 20.50	
700	•I•	**Thioglycollic acid** GR $HSCH_2COOH$ MW 92.12	1 l = 1.32 kg	100 ml 1 l	8.— 44.75	
695	•I•	**Thioglycollic acid** about 80% for bacteriology $HSCH_2COOH$ MW 92.12	1 l = 1.27 kg	100 ml 1 l	5.80 36.75	
697	•I•	**Thioglycollic acid** about 80% extra pure $HSCH_2COOH$ MW 92.12	1 l = 1.27 kg	250 ml 1 l 5 l carton 50 kg (4 plastic containers of 12½ kg) case 75 kg (6 plastic containers of 12½ kg)	5.80 17.75 74.— prices on application	
699	•I•	**Thioglycollic acid** about 99% extra pure $HSCH_2COOH$ MW 92.12	1 l = 1.32 kg	carton 50 kg (4 plastic containers of 12½ kg) case 75 kg (6 plastic containers of 12½ kg)	prices on application	
8151		**Thionalide** GR (reagent for heavy metals) $C_{12}H_{11}NOS$ MW 217.29 CERTIFICATE OF GUARANTEE: Assay (ex N) . . . min. 99% Melting-point . . . 113–114 °C Sulfated ash . . . max. 0.05% Suitability for determination of metals . . . . passes test	2.5	5 g 25 g	8.10 33.50	
1421		**Thionine** (Lauth's violet) (C. I. No. 52 000, S. No. 1036) for bacteriology and microscopy	1.5	5 g 25 g	6.30 23.—	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8154	•I•	**Thionyl chloride** for synthesis (LAB) $SOCl_2$ MW 118.97	1 l = 1.63 kg	T	500 ml 2½ l	10. 35.—	
		TYPE ANALYSIS: Assay of $SOCl_2$ . . . 99% Phosphorus compounds (as PO_4) . . . . . 0.001 % Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.0005% Residue on ignition . 0.02 %					
8152	•I•	**Thionyl chloride** $SOCl_2$ MW 118.97	1 l = 1.63 kg		500 ml 2½ l 50 kg	8.50 31.50	4.65
8153	•I•	**Thionyl chloride** technical $SOCl_2$ MW 118.97	1 l = 1.63 kg		500 ml 2½ l 50 kg	8.— 30.50	4.25
8157	•I•	**Thiophene** for synthesis (LAB) C_4H_4S MW 84.14	1 l = 1.06 kg		25 ml 100 ml 1l	5.25 14.25 116.–	
		TYPE ANALYSIS: Assay (ex S) . . 99% d 20°/4° . . . . . 1.058–1.065 Refractive index ($n_D^{20°}$) . . . . 1.5285–1.5295 Boiling-range . . . . 83–85° C Carbon disulfide (CS_2) 0.05%					
		Thiophene-2-aldehyde see 2-Thiophenecarbaldehyde					
8161	•I•	**2-Thiophenecarbaldehyde** for synthesis (ORG) C_5H_4OS MW 112.15	1 l = 1.22 kg		25 ml	12.50	
8159	•I•	**Thiophenol** for synthesis (ORG) C_6H_6S MW 110.18	1 l = 1.07 kg		250 ml 1 l	14.— 45.	
		Thiosalicylic acid see 2-Mercaptobenzoic acid					
8156		**Thiosemicarbazide** GR CH_5N_3S MW 91.14	1.5	P	25 g	6.30	
		CERTIFICATE OF GUARANTEE: Assay . . . . . min. 98% Melting-range . . . 181–184° C Sulfated ash . . . max. 0.02%					
		Thiosinamine see *N*-Allylthiourea					

		Volume			Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
					DM	DM
7979	**Thiourea** GR H_2NCSNH_2 MW 76.12 CERTIFICATE OF GUARANTEE: Assay (iodometric) min. 99.5% Melting-point (decomposition) . 174–176° C Residue on ignition (as sulfates) . . max. 0.05%	1.6	P	250 g 1 kg	7.50 22.50	
7978	**Thiourea** H_2NCSNH_2 MW 76.12	1.3	P P P	1 kg 5 kg 9051/50 kg	9.50 35.—	5.50
8266	**Thioxanthene** for synthesis (ORG) $C_{13}H_{10}S$ MW 198.29			10 g	12.—	
8267	**9-Thioxanthenone** for synthesis (ORG) $C_{13}H_8OS$ MW 212.27			25 g	10.50	
	Thioxanthone see 9-Thioxanthenone					
8294	**Thorin** [1-(2-arsonophenylazo)-2-hydroxy-3,6-naphthalene-disulfonic acid sodium salt] indicator for titration of sulfate with barium perchlorate formula and mol. weight of the free acid: $C_{16}H_{13}AsN_2O_{10}S_2$ MW 532.34 CERTIFICATE OF GUARANTEE: Substances insoluble in water . . . . passes test Suitability as indicator for sulfate titration . passes test	1.5		5 g	8.—	
8162	**Thorium nitrate** GR $Th(NO_3)_4 \cdot 5\,H_2O$ MW 570.13 CERTIFICATE OF GUARANTEE: Assay of $Th(NO_3)_4 \cdot 5\,H_2O$ min. 99% Chloride (Cl) . . max. 0.002% Sulfate (SO_4) . . max. 0.02 % Heavy metals (as Pb) . . . . max. 0.002% Iron (Fe) . . . . max. 0.001% Titanium (Ti) . . max. 0.005% Substances not precipitated by NH_3 (as sulfates) . . max. 0.3 %	0.6	P	25 g 100 g 1 kg	5.50 15.75 131.—	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
4494	•I•	**Thoulet's solution** (potassium tetraiodomercurate(II) solution) (d 20°/4° 3.15–3.16) for separation of minerals (LAB) 1 l = 3.15 kg			50 ml	15.75	
8410		DL-**Threonine** for biochemistry (LAB) $C_4H_9NO_3$ MW 119.12 TYPE ANALYSIS: Assay (perchloric acid titration; on dried substance) . . . 99% Melting-range . . . 230-240° C Chloride (Cl) . . . 0.005% Sulfate (SO_4) . . . 0.01 % Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.001% Ammonium (NH_4) . . . 0.001% Water (acc. to Karl Fischer) . . . . 0.5 % Sulfated ash . . . . . 0.1 %	3	P	5 g 25 g 1 kg	4.75 16.75 price on application	
8412		DL-**Threonine** $C_4H_9NO_3$ MW 119.12	3	P	25 g 100 g	11.— 36.75	
8411		L(–)**Threonine** for biochemistry (LAB) $C_4H_9NO_3$ MW 119.12 TYPE ANALYSIS: Assay (perchloric acid titration; on dried substance) . . 99% Melting-range . . 265–275° C Specific rotation ($[\alpha]_D^{20}$°; c = 5, 1N HCl) . . . –12° to –16° Chloride (Cl) . . 0.005% Sulfate (SO_4) . . . . 0.01 % Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.001% Ammonium (NH_4) . . . 0.001% Sulfated ash . . . . . 0.1 % Water (acc. to Karl Fischer) . . . . 0.5 %	3.5	P	5 g 25 g 100 g 1 kg	6.— 21.— 71.— price on application	
8209		**Thymine** for biochemistry (LAB) $C_5H_6N_2O_2$ MW 126.12	2		5 g 25 g	6.60 26.25	
8167		**Thymol** cryst. m. pt. about 50° C DAB 7, BP 1958, Cod Franç 1949, NF XI $C_{10}H_{14}O$ MW 150.22	1.5		100 g 250 g 1 kg 5 kg	5.— 10.50 33.50 147.—	
8166	•I•	**Thymol solution 10%** in 2-Propanol for preservation of urine 1 l = 0.80 kg			250 ml	4.25	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Thymol biiodide see Diiododithymol				
7576/0001	**Thymol buffer solution** acc. to Maclagan (stock solution for 250 ml)		packing	4.75	
8176	**Thymol blue** (S. No. 879) indicator $C_{27}H_{30}O_5S$ MW 466.60 acidic range pH 1.2–2.8 red to yellow alkaline range pH 8.0–9.6 yellow to blue	2	5 g 25 g 100 g	4.75 16.2 55.–	
8175	**Thymolphthalein** indicator $C_{28}H_{30}O_4$ MW 430.55 pH 9.3–10.5 colourless to blue	2.5	5 g 25 g 100 g	4.75 16.25 55.—	
	Thymolsulfonephthalein see Thymol blue				
	Tiemann's solution see Kubel-Tiemann's litmus solution				
3746	**Tigogenin** (5α,20α_FH,22α_FO,25β_FH-spirostan-3β-ol) (LAB) $C_{27}H_{44}O_3$ MW 416.65	4	10 g 100 g	16.25 134.—	
7806	**Tin** granulated GR Sn AW 118.69 CERTIFICATE OF GUARANTEE: Lead (Pb) . . . max. 0.005%; Cadmium (Cd) . max. 0.001 % Copper (Cu) . . max. 0.001%; Iron (Fe) . . . max. 0.01 % Bismuth (Bi) . . . max. 0.002%; Zinc (Zn) . . . max. 0.002 % Antimony (Sb) . . max. 0.02 %; Arsenic (As) . . max. 0.00005%	0.3	100 g 250 g 1 kg	7.— 14.75 53.—	
7803	**Tin** granulated pure Sn AW 118.69	0.3	250 g 1 kg 2½ kg	13.75 44.75 105.—	
7807	**Tin** fine powder pure Sn AW 118.69	0.25	100 g 250 g 1 kg	7.— 13.75 44.75	
7800	**Tin** coarse powder (0.1–0.8 mm) Sn AW 118.69	0.6	250 g 1 kg	13.75 44.75	
7822/0001	**Tin** foil 0.02 mm GR Sn AW 118.69		Box cont. 200 strips each 5 x 50 mm	4.50	
7821	**Tin** foil 0.02 mm Sn AW 118.69		100 g 250 g 1 kg	7.— 15.25 53.—	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
7815	○	**Tin(II) chloride** GR $SnCl_2 \cdot 2H_2O$ MW 225.63 CERTIFICATE OF GUARANTEE: Assay of $SnCl_2 \cdot 2H_2O$ min. 99% Substances insoluble in diluted hydrochloric acid . . . . . max. 0.005 % Sulfate (SO_4) . max. 0.002 % Lead (Pb) . . . . max. 0.005 % Copper (Cu) . . max. 0.001 % Nickel (Ni) . . . max. 0.0005% Cobalt (Co) . . . max. 0.0005% Iron (Fe) . . . . max. 0.002 % Manganese (Mn) . max. 0.0005% Molybdenum (Mo) max. 0.0001% Arsenic (As) . . max. 0.0001% Substances not precipitated by hydrogen sulfide (as sulfates) . max. 0.05 %	0.8		100 g 250 g 1 kg	6.— 12.50 42.—	
7813	○	**Tin(II) chloride** cryst. Erg B 6 $SnCl_2 \cdot 2H_2O$ MW 225.63 TYPE ANALYSIS: Assay of $SnCl_2 \cdot 2H_2O$ 97% Sulfate (SO_4) . . . . 0.02 % Heavy metals (as Pb) 0.02 % Iron (Fe) . . . . . 0.01 % Arsenic (As) 0.0002%	0.8		250 g 1 kg 5 kg 25 kg 50 kg	9.25 29.50 132.—	 22.75 22.25
7820	○	**Tin(II) chloride** for manufacture of mirrors $SnCl_2 \cdot 2H_2O$ MW 225.63	0.8		250 g 1 kg 5 kg 25 kg 50 kg	10.50 34.75 158.—	 27.75 27.—
7811	•I•	**Tin(IV) chloride** fuming GR $SnCl_4$ MW 260.50 1 l = 2.21 kg CERTIFICATE OF GUARANTEE: Assay of $SnCl_4$. min. 99% Nitrate (NO_3) . . max. 0.0005% Lead (Pb) . . . . max. 0.0005% Copper (Cu) . . max. 0.001 % Iron (Fe) . . . . max. 0.001 % Manganese (Mn) max. 0.0005% Cobalt (Co) . . . max. 0.0002% Nickel (Ni) . . . max. 0.0001% Moybdenum (Mo) max. 0.0001% Arsenic (As) . . max. 0.0002% Calcium (Ca) . . max. 0.001 % Sodium (Na) . . max. 0.001 % Potassium (K) . . max. 0.001 % Substances reducing iodine (as $SnCl_2$) . . . max. 0.001 %			100 ml	8.75	
7810	•I•	**Tin(IV) chloride** fuming $SnCl_4$ MW 260.50 1 l = 2.21 kg			100 ml 500 ml	7.75 27.50	
		Tin dioxide see Tin(IV) oxide					
7818		**Tin(IV) oxide** pure SnO_2 MW 150.69	1.5		250 g 1 kg 5 kg	11.— 35.75 147.—	
		Tin tetrachloride see Tin(IV) chloride					
		Tiron see 3,5-Pyrocatechol-disulfonic acid disodium salt					
		Titanic anhydride see Titanium(IV) oxide					

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8307	*	**Titanium(III) chloride solution** (LAB) $TiCl_3$ MW 154.26 1 l = 1.20 kg TYPE ANALYSIS: Assay of $TiCl_3$ . . 14.5–15.5% Iron (Fe) 0.01%			[illegible] 1 l 2½ l	5.80 16.50 36.75	
		Titanium dioxide see Titanium(IV) oxide					
		Titanium monoxide see Titanium(II) oxide					
8303		**Titanium(II) oxide** granular **Patinal**® particle size about 0.8–2 mm TiO MW 63.90	0.4		100 g 1 kg	100.— price on application	
8306		**Titanium(II) oxide** tablets **Patinal**® one tablet about 1 g	0.4		100 g 1 kg	68.— price on application	
8302		**Titanium(II) oxide** tablets **Patinal**® one tablet about 13 g	0.4		1 kg	price on application	
8308		**Titanium(II) oxide** powder **Patinal**® particle size less than 0.8 mm TiO MW 63.90	1		100 g 1 kg	68.— price on application	
808		**Titanium(IV) oxide** (LAB) TiO_2 MW 79.90 TYPE ANALYSIS: Assay of TiO_2 . . . . 99% Substances soluble in water . . . . . 0.3 % Chloride (Cl) . . . . 0.01 % Sulfate (SO_4) . . . . 0.05 % Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.005 % Arsenic (As) 0.0002%	1.6		250 g 1 kg 5 kg 50 kg	4.50 11.50 49.25	7.40
812		**Titanium(IV) oxide** technical TiO_2 MW 79.90	1.6	P	1 kg 50 kg	7.50	5.30
		Titanium potassium fluoride see Potassium hexafluorotitanate(IV)					
		Titanium trichloride solution see Titanium(III) chloride solution					

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1307	**Titan yellow** (C. I. No. 19 540, S. No. 280) GR (reagent for magnesium) $C_{28}H_{19}N_5Na_2O_6S_4$ MW 695.73	1.3		25 g 100 g	5.50 15.25	
8305	**Titanyl acetylacetonate** for synthesis (LAB) $C_{10}H_{14}O_5Ti$ MW 262.12	1.5		100 g 500 g	46.— 200.—	
	Titriplexes and metal (pM) indicators for complexometric determinations see page 792					
8416	**Titriplex® I** (nitrilotriacetic acid) metal (pM) indicator $C_6H_9NO_6$ MW 191.14	2.2	P	25 g 100 g 250 g	4.— 9.50 21.50	
8417	**Titriplex® II** [(ethylenedinitrilo)tetraacetic acid] metal (pM) indicator $C_{10}H_{16}N_2O_8$ MW 292.25	1.9	P	100 g 250 g 1 kg	5.25 10.50 31.50	
8418	**Titriplex® III** [(ethylenedinitrilo)tetraacetic acid disodium salt] (dihydrate) GR $C_{10}H_{14}N_2Na_2O_8 \cdot 2\,H_2O$ MW 372.24 CERTIFICATE OF GUARANTEE: Assay (chelatometric; on anhydrous substances) . min. 99% pH (5% solution) 4–5 Sulfate (SO_4) . max. 0.01 % Heavy metals (as Pb) . . . max. 0.001 % Iron (Fe) . . . . max. 0.0005 % Water 9–10%	2.5	P	100 g 250 g 500 g 1 kg 5 kg	6.80 15.25 26.25 51 226.—	
8421	**Titriplex® III** [(ethylenedinitrilo)tetraacetic acid disodium salt] (dihydrate) for pharmaceutical purposes $C_{10}H_{14}N_2Na_2O_8 \cdot 2\,H_2O$ MW 372.24 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2.5	P	1 kg 25 kg	25.25	18.50

		Volume			Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
					DM	DM
9992 0001	**0.1 M Titriplex® III solution Titrisol®** (DBP No. 971 376) concentrated solution for preparation of 1 litre of 0.1 M solution		ampoule		5.75	
8424	**Titriplex® IV** (1,2-cyclohexylenedinitrilotetraacetic acid) (monohydrate) GR $C_{14}H_{22}N_2O_8 \cdot H_2O$ MW 364.36 CERTIFICATE OF GUARANTEE: Assay (chelatometric; on anhydrous substance) . . . min. 99% Sulfate (SO_4) . . max. 0.01 % Heavy metals (as Pb) . . . . max. 0.001% Iron (Fe) . . . . max. 0.001% Water . . . . . 4.8–5.6% Sulfated ash . . . max. 0.1 %	1.8	P	10 g 25 g 100 g	7.60 16.25 56.—	
8426	**Titriplex® V** {[(carboxymethyl)imino]bis(ethylene-nitrilo)-tetraacetic acid} GR $C_{14}H_{23}N_3O_{10}$ MW 393.35	2	P	25 g 100 g	5.— 13.75	
8435	**Titriplex® VI** (3,6-Dioxaoctamethylenedinitrilotetraacetic acid) GR $C_{14}H_{24}N_2O_{10}$ MW 380.35		P	10 g 25 g	9.— 18.—	
	Titriplex® solutions for determination of water hardness					
8419 *	**Solution A** 1 ml = 7 British degrees of hardness 1 l = 1.02 kg	if 100 ml of water are used	P	500 ml 1 l	6.10 10.—	
8420 *	**Solution B** 1 ml = 1.25 British degrees of hardness 1 l = 1.00 kg	if 100 ml of water are used	P	500 ml 1 l 5 l	4.75 7.50 28.50	
8429 *	**Solution C** (for determination of water hardness with measuring tube H DIN 12812) 2.3 ml = 15.4 British degrees of hardness, if 40 ml of water are used 1 l = 1.00 kg		P	500 ml 1 l	5.25 8.25	

Titrisols and volumetric solutions see page 801

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Titrisols for atomic absorption spectroscopy				
9967/0001	**Aluminium standard solution** 1.000 g of Al for preparation of 1 litre		ampoule	4.50	
9968/0001	**Barium standard solution** 1.000 g of Ba for preparation of 1 litre		ampoule	4.50	
9986/0001	**Cobalt standard solution** 1.000 g of Co for preparation of 1 litre		ampoule	4.50	
9987/0001	**Copper standard solution** 1.000 g of Cu for preparation of 1 litre		ampoule	4.50	
9972/0001 •I•	**Iron standard solution** 1.000 g of Fe for preparation of 1 litre		ampoule	4.50	
9969/0001	**Lead standard solution** 1.000 g of Pb for preparation of 1 litre		ampoule	4.50	
9988/0001	**Manganese standard solution** 1.000 g of Mn for preparation of 1 litre		ampoule	4.50	
9989/0001	**Nickel standard solution** 1.000 g of Ni for preparation of 1 litre		ampoule	4.50	
9993/0001	**Strontium standard solution** 1.000 g of Sr for preparation of 1 litre		ampoule	4.50	
9994/0001 •I•	**Vanadium standard solution** 1.000 g of V for preparation of 1 litre		ampoule	4.50	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Titrisol® (DBP No. 971 376) for determination of water hardness:				
9975 0001	**Calcium standard solution** for German degrees of hardness 1 ml of standard solution corresponds to 1 mg of CaO after dilution to 1 litre		ampoule	3.50	
9824 0001	for preparation of 1 litre of **Titriplex**® solution A 1 ml = 7 British degrees of hardness if 100 ml of water are used		ampoule	7.—	
9825 0001	for preparation of 1 litre of **Titriplex**® solution B 1 ml = 1.25 British degrees of hardness if 100 ml of water are used		ampoule	3.—	
	Titrisol® (DBP No. 971 376) for serum analysis by flame photometry				
9976 0001	for preparation of 1 litre of main standard solution (1 litre of the ready-for-use solution contains 3.30 g of Na, 0.150 g of K, 0.100 g of Ca, 0.020 g of Mg)		ampoule	4.25	
9977 0001	for preparation of 1 litre of blank solution for K (1 litre of the ready-for-use solution contains 3.30 g of Na, 0.000 g of K, 0.100 g of Ca)		ampoule	4.25	
9978 0001	for preparation of 1 litre of blank solution for Ca (1 litre of the ready-for-use solution contains 3.30 g of Na, 0.150 g of K, 0.000 g of Ca)		ampoule	4.25	
9979 0001	for preparation of 1 litre of diluent solution acc. to Herrmann		ampoule	4.25	
9975 0001	for preparation of 10 litres of diluent solution acc. to Herrmann		500 ml	10.—	
	Titrisol® (DBP No. 971 376) for determination of sodium, potassium and lithium by flame photometry				
9985 0001	for preparation of 1 litre of alkali stock solution acc. to Schuhknecht and Schinkel (1 litre of the ready-for-use solution contains 0.100 g of Na, 0.100 g of K, 0.100 g of Li)		ampoule	4.25	

see also Cesium chloride-aluminium nitrate buffer solution

Titrisols for preparation of buffer solutions
see Buffer Titrisols

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	TLC plates see Aluminium oxide, Cellulose, Polyamide, Silica gel				
8283	DL-α-**Tocopherol** for biochemistry (LAB) $C_{29}H_{50}O_2$ MW 430.72 TYPE ANALYSIS: Assay . . . . . 99% d 20°/4° . . . . . 0.947–0.958 Refractive index ($n_D^{20°}$) . . . . . 1.503–1.507 UV absorption ($E^{1\%}_{1cm}$; λ = 292 nm absolute ethanol) . . . 73–76	1	10 g	4.75	
500949	DL-α-**Tocopherol** NF XII $C_{29}H_{50}O_2$ MW 430.72	1	100 g aluminium bottle 1 kg 5 kg	prices on application	
	DL-α-Tocopherol see also Vitamin E				
8284	DL-α-**Tocopherol acetate** for biochemistry (LAB) $C_{31}H_{52}O_3$ MW 472.76 TYPE ANALYSIS: Assay . . . . . 99% d 20°/4° . . . . . 0.952–0.966 Refractive index ($n_D^{20°}$) . . . . 1.4960–1.4975 UV absorption ($E^{1\%}_{1cm}$: λ = 285 nm, absolute ethanol) . . . 42–44 Free tocopherol 1%	1	10 g	4.50	
500952	DL-α-**Tocopherol acetate** DAB 7, BPC 1954, NF XII $C_{31}H_{52}O_3$ MW 472.76 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1	100 g aluminium bottle 1 kg 5 kg	prices on application	
501617 †	DL-α-**Tocopherol phosphate disodium salt** $C_{29}H_{49}Na_2O_5P$ MW 554.66	1.8	100 g 1 kg		
500976	DL-α-**Tocopherol succinate** $C_{33}H_{54}O_5$ MW 530.80	2.5	100 g 1 kg 5 kg 25 kg		

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
9049	•|•	**Töpfer's reagent** for hydrochloric acid in gastric juice 1 l = 0.80 kg		100 ml 500 ml	4.25 8.—	
8311		**o-Tolidine** (3,3'-dimethylbenzidine) GR $C_{14}H_{16}N_2$ MW 212.30 CERTIFICATE OF GUARANTEE: Assay (4-toluenesulfonic acid titration) . min. 99% Substances insoluble in hydrochloric acid . . . . . passes test Melting-point . . . 129–131° C Sulfated ash . . . max. 0.1%	1.6	25 g 100 g	5.50 14.75	
8309		**o-Tolidine solution** acc. to Ellms-Hauser 1 l = 1.01 kg		250 ml 1 l	4.25 10.—	
8301		**o-Tolidinium dichloride** GR $C_{14}H_{18}Cl_2N_2$ MW 285.22 CERTIFICATE OF GUARANTEE: Assay (argentometric) . min. 99% Heavy metals (as Pb) . . . . max. 0.001% Iron (Fe) . . . . max. 0.001% Sulfated ash . . max. 0.1 %	1.8	25 g 100 g	6.30 18.—	
		p-Tolualdehyde see 4-Methylbenzaldehyde				
8325	•|•	**Toluene** GR C_7H_8 MW 92.14 1 l = 0.86 kg CERTIFICATE OF GUARANTEE: Assay (gas chromatographic) . . min. 99.5% Free acid (as HCl) . . max. 0.001 % Free alkali (as NaOH) . max. 0.001 % Lead (Pb) . . max. 0.000001% Copper (Cu) . max. 0.000001% Iron (Fe) . . . max. 0.000005% Zinc (Zn) . . . max. 0.000001% Thiophene . . max. 0.0005 % Sulfur compounds (as S) . . . max. 0.003 % Readily-carbonisable substances . passes test Water . . . . . max. 0.01 % Non-volatile substances . max. 0.001 %		500 ml 1 l 2½ l standard box 15 x 1 l 8 x 15 x 1 l 8 x 2½ l 8 x 8 x 2½ l	4.50 6.50 14.— 1 l 6.— 1 l 5.75 2½ l 13.25 2½ l 12.75	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8331	**Toluene** for spectroscopy **Uvasol®** C_7H_8 MW 92.14 CERTIFICATE OF GUARANTEE: Suitability for UV spectroscopy (1-cm cell; reference : water) Transmittance at 285 nm . . . . min. 10% 290 nm . . . . min. 50% 300 nm . . . . min. 80% 320 nm . . . . min. 93% from 350 nm . . . . min. 98% Suitability for IR spectroscopy passes test	1 l = 0.86 kg	500 ml 1 l	6.50 11.—	
8316	**Toluene Selectipur®** C_7H_8 MW 92.14	1 l = 0.86 kg	2½ l	price on application	
8317	**Toluene** scintillation grade C_7H_8 MW 92.14	1 l = 0.86 kg	250 ml 1 l 2½ l	6.25 18.— 42.	
8323	**Toluene** C_7H_8 MW 92.14 TYPE ANALYSIS: Assay (gas chromatographic) . . . . 98% d 20°/4° . . . . . 0.864–0.868 Refractive index ($n_D^{20°}$) . . . . . 1.495–1.500 Boiling-range . . . 109–112° C Water (acc. to Karl Fischer) . . 0.1% Non-volatile substances . . . 0.005%	1 l = 0.86 kg	1 l 2½ l 50 kg	4.50 9.50	2.40
	Toluene-d_8 see Octadeuterotoluene				
	2,5-Toluenediamine see 2-Methyl-1,4-phenylenediamine				
	3,4-Toluenediamine see 4-Methyl-1,2-phenylenediamine				
	Toluene 2,4-di-*iso*-cyanate see 2,4-Toluylene di-*iso*-cyanate				
8328	**3,4-Toluenedithiol** (dithiol) GR (reagent for tin) $C_7H_8S_2$ MW 156.27 CERTIFICATE OF GUARANTEE: Melting-point . . . 30–32° C Substances insoluble in sodium hydroxide solution (1%) . . passes test Sulfated ash . . . max. 0.1% Suitability for determination of tin . . . . . passes test	1 l = 1.23 kg	1 ml 5 ml	13.25 53.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8330	**4-Toluenesulfinic acid** (about 10% H_2O) $C_7H_8O_2S$ MW 156.20		P 100 g 1 kg	15.75 116.—	
	4-Toluenesulfochloride see 4-Toluenesulfonyl chloride				
8230	**4-Toluenesulfonamide** for synthesis (ORG) $C_7H_9NO_2S$ MW 171.22	1.5	1 kg	13.—	
	4-Toluenesulfonechloramide sodium see Chloramine T				
9613	**4-Toluenesulfonic acid** (monohydrate) GR $C_7H_8O_3S \cdot H_2O$ MW 190.22 CERTIFICATE OF GUARANTEE: Assay (acidimetric; on anhydrous substance) . . min. 99% Melting-point . . . 104–106° C Heavy metals (as Pb) . . . . max. 0.001% Iron (Fe) . . . . . max. 0.01 % Water . . . . . 9–10% Sulfated ash . . max. 0.1 %	1.3	P 100 g 500 g	5.80 20.50	
766	**4-Toluenesulfonic acid** (monohydrate) $C_7H_8O_3S \cdot H_2O$ MW 190.22	1.3	P 250 g 1 kg	5.80 15.75	
767	**4-Toluene sulfonohydrazide** for synthesis (LAB) $C_7H_{10}N_2O_2S$ MW 186.23	2	50 g	16.—	
3326	**4-Toluenesulfonyl chloride** for synthesis (LAB) $C_7H_7ClO_2S$ MW 190.65 TYPE ANALYSIS: Assay . . . . . 98.5% Melting-range . . . . 67–70° C Heavy metals (as Pb) 0.001% Iron (Fe) . . . . . 0.001% Sulfated ash . . . . 0.1 %	1.2	250 g 1 kg	12.50 40.—	
	α-Toluenethiol see Benzylmercaptan				
8310	**o-Toluidine** (2-aminotoluene) GR C_7H_9N MW 107.16 1 l = 0.99 kg		250 ml 1 l	8.50 26.25	
8312	**o-Toluidine** (2-aminotoluene) for synthesis (LAB) C_7H_9N MW 107.16 1 l = 0.99 kg TYPE ANALYSIS: Assay (perchloric acid titration) . . . . 99% d 20°/4° . . . . . 0.997–1.000 Refractive index ($n_D^{20°}$) . . . . . 1.568-1.573 Boiling range . . . 197–200° C Sulfated ash . . . 0.05%		250 ml 1 l 2½ l	4.50 12.75 27.50	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8313	•I•	***o*-Toluidine solution** for determination of blood sugar 1 l = 1.00 kg			1 l 2½ l	15.75 36.75	
8300		***o*-Toluidine solution** (without acetic acid) for determination of blood sugar			1 l 2.5 l	27.50 62.50	
8314	•I•	***m*-Toluidine** (3-aminotoluene) for synthesis (ORG) C_7H_9N MW 107.16 1 l = 0.99 kg			250 ml 1 l	5.80 15.75	
8315		***p*-Toluidine** (4-aminotoluene) m. pt. about 45° C C_7H_9N MW 107.16	1.6		100 g 250 g	6.80 12.75	
1273		**Toluidine blue 0** (C. I. No. 52 040, S. No. 1041) for microscopy	2		25 g 100 g	4.— 10.—	
8273	•I•	***o*-Tolunitrile** for synthesis (ORG) C_8H_7N MW 117.15 1 l = 0.91 kg			100 ml	7.50	
8268	•I•	***m*-Tolunitrile** for synthesis (ORG) C_8H_7N MW 117.15 1 l = 0.98 kg			250 ml	15.50	
8274	•I•	***p*-Tolunitrile** for synthesis (ORG) C_8H_7N MW 117.15 1 l = 0.98 kg			100 ml	8.	
		p-Toluylaldehyde see 4-Methylbenzaldehyde					
		m-Toluylenediamine see 4-Methyl-1,3-phenylenediamine					
		p-Toluylene-2,5-diamine sulfate see 2-Methyl-1,4-phenylenediammonium sulfate					
8264	•I•	**2,4-Toluylene di-*iso*-cyanate** for synthesis (ORG) $C_9H_6N_2O_2$ MW 174.16 1 l = 1.22 kg			500 ml	15.75	
		Toluylene red see Neutral red					
		p-Tolylenediamine sulfate see 2-Methyl-1,4-phenylenediammonium sulfate					

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	1-*p*-Tolylethanol see 1-(4-Methylphenyl)-ethanol					
	p-Tolylmethylcarbinol see 1-(4-Methylphenyl)-ethanol					
	3-*o*-Tolyloxy-1,2-propanediol see Mephenesin					
	N-(4-Tolylsulfonyl)-*N*-methylnitrosamide see *N*-Methyl-*N*-(tosyl)nitrosamide					
8334	N^{α}-Tosyl-L-arginine methyl ester hydrochloride (TAME) for biochemistry (LAB) $C_{14}H_{23}ClN_4O_4S$ MW 378.88		P	5 g	25.25	
8163	N^{α}-Tosyl-L-lysyl-chloromethane hydrochloride (TLCK) for biochemistry (LAB) $C_{14}H_{22}Cl_2N_2O_3S$ MW 369.31 Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	3		1 g	36.75	
8615	***N*-Tosyl-L-phenylalanylchloromethane (TPCK)** for biochemistry (LAB) $C_{17}H_{18}ClNO_3S$ MW 351.85			1 g	36.75	
	TPB see 1,1,4,4-Tetraphenyl-1,3-butadiene					
	Tragacanth see Gum tragacanth					
5417	**Transport medium** acc. to Stuart, modified acc. to Ringertz for microbiology (21 g for 1 litre of culture medium)	2		21 g 500 g 10 x 500 g	4.50 60.— 56.—	
8353	D(+)**Trehalose** (dihydrate) for bacteriology $C_{12}H_{22}O_{11} \cdot 2\,H_2O$ MW 378.33	1.6	P	5 g	15.75	
8355	D(+)**Trehalose** (dihydrate) for biochemistry (LAB) $C_{12}H_{22}O_{11} \cdot 2\,H_2O$ MW 378.33		P	5 g	20.—	
	Triacetin see Glycerol triacetate					
8251	**Triacetyldiphenolisatin** [3,3-bis(4-acetoxyphenyl)-1-acetyloxindole] fine powder $C_{26}H_{21}NO_6$ MW 443.46	5.2	P	250 g 1 kg 5 kg	19.— 63.— 284.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8297	**1,3,5-Triazine** for synthesis (LAB) $C_3H_3N_3$ MW 81.08	2.5	1 g 5 g	22.50 84.—	
8388	**1,2,4-Triazole** for synthesis (ORG) $C_2H_3N_3$ MW 69.09	2	10 g	18.—	
8356	**2,4,6-Tribromophenol** standard for elementary analysis $C_6H_3Br_3O$ MW 330.82 CERTIFICATE OF GUARANTEE: Carbon (C) . . . . . 21.8% Hydrogen (H) . . . . . 0.9% Bromine (Br) . . . . . 72.5% Oxygen (O) . . . . . 4.8% Suitable for determination of C, H, Br, O	3	5 g	6.80	
8609	**1,2,3-Tribromopropane** for synthesis (ORG) $C_3H_5Br_3$ MW 280.79 1 l = 2.42 kg		100 ml	14.—	
8358	**Tributylamine** for synthesis (LAB) $C_{12}H_{27}N$ MW 185.36 1 l = 0.78 kg TYPE ANALYSIS: Assay (gas chromatographic) . . . . 95% d 20°/4° . . . . . 0.779–0.782 Refractive index ($n_D^{20°}$) . . . . . 1.429–1.431 Boiling-range (90%, 12 mm) . . 88–94° C		1 l	25.25	
8354	**Tributyl phosphate** extraction solvent, analytical grade $C_{12}H_{27}O_4P$ MW 266.32 1 l = 0.97 kg		500 ml 2½ l	12.75 55. -	
8077	**Tributylphosphine** for synthesis (ORG) $C_{12}H_{27}P$ MW 202.32 1 l = 0.82 kg		100 ml	15.75	
8390	**Tributyltin chloride** for synthesis (LAB) $C_{12}H_{27}ClSn$ MW 325.49 1 l = 1.22 kg		100 ml	20.—	

Tributyrin see Glycerol tributyrate

Tributyrin agar
see Glycerol tributyrate (tributyrin) agar

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Tricalcium citrate see *tri*-Calcium dicitrate					
	Tricalcium phosphate see *tri*-Calcium phosphate					
8407	**Tricarballylic acid** (1,2,3-propanetricarboxylic acid) $C_6H_8O_6$ MW 176.13	1.5		25 g	21.—	
	Trichloroacetaldehyde hydrate see Chloral hydrate					
807	**Trichloroacetic acid** GR CCl_3COOH MW 163.39 CERTIFICATE OF GUARANTEE: Assay . . . . . min. 99.5 % Chloride (Cl) . . . max. 0.001% Sulfate (SO_4) . . max. 0.01 % Phosphate (PO_4) max. 0.001% Iron (Fe) . . . . max. 0.001% Readily-carbonisable substances . . . passes test Sulfated ash . . . max. 0.01 %	1		100 g 250 g 500 g 1 kg 5 kg	5.— 9.50 15.50 27.50 125.—	
810	**Trichloroacetic acid** cryst. DAB 7, BP 1968, Ph Ned VI, USP XVI CCl_3COOH MW 163.39	1		100 g 500 g 1 kg 5 kg	4.50 11.— 18.— 80.—	
9415	**Trichloroacetic acid solution** 20% GR 1 l = 1.10 kg			250 ml 1 l	5.25 14.50	
811	**3 M Trichloroacetic acid solution** (about 40%) (max. 0.000005 % Fe) for determination of serum iron 1 l = 1.22 kg			100 ml 500 ml	7.60 29.—	
806	**3 M Trichloroacetic acid solution** (about 40%) for determination of creatinine in serum and urine 1 l = 1.22 kg			500 ml	10.25	
8372	**Trichloroacetonitril** for synthesis (LAB) C_2Cl_3N MW 144.39 1 l = 1.45 kg			50 ml	15	
8391	**Trichloroacetyl chloride** for synthesis (ORG) C_2Cl_4O MW 181.83 1 l = 1.62 kg			50 ml	11	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8285	**1,2,3-Trichlorobenzene** for synthesis (ORG) $C_6H_3Cl_3$ MW 181.45		500 g	7.—	
8288	**1,2,4-Trichlorobenzene** for gel chromatography $C_6H_3Cl_3$ MW 181.45	1 l = 1.45 kg	100 ml 500 ml	8.50 34.25	
	vic-Trichlorobenzene see 1,2,3-Trichlorobenzene				
8610	**2,2,2-Trichloroethanol** for synthesis (ORG) $C_2H_3Cl_3O$ MW 149.40	1 l = 1.55 kg	100 ml	29.50	
	1,1,2-Trichloroethene see Trichloroethylene				
951	**Trichloroethylene Selectipur®** ClCH = CCl_2 MW 131.39	1 l = 1.46 kg	2½ l 50 kg	prices on application	
958	**Trichloroethylene** extra pure ClCH = CCl_2 MW 131.39	1 l = 1.46 kg	500 ml 1 l 2½ l standard box 15 x 1 l 8 x 15 x 1 l 8 x 2½ l 8 x 8 x 2½ l 50 kg 5 x 50 kg	5.25 8.40 18.50 1 l 7.90 1 l 7.70 2½ l 17.50 2½ l 17.—	 4.20 4.05
957	**Trichloroethylene** ClCH = CCl_2 MW 131.39	1 l = 1.46 kg	2½ l 60 kg	12.10	 2.25
	Trichloroethylidene-D-glucose see α-D(+)-*gluco*-Chloralose				
	Trichloromethane see Chloroform				
1005	**1,1,1-Trichloro-2-methyl-2-propanol** Erg B 6, BP 1968, Ph Internat I, USP XVI $C_4H_7Cl_3O \cdot 0.5\,H_2O$ MW 186.47 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.3	250 g 1 kg 5 kg 25 kg	6.80 23.25 100.—	 18.50

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8255	•I•	**Trichloromethylsilane** for synthesis (LAB) CH_3Cl_3Si MW 149.48 1 l = 1.27 kg		250 ml	20.50	
8359		**2,4,5-Trichlorophenol** for synthesis (ORG) $C_6H_3Cl_3O$ MW 197.45		250 g	5.—	
		α,α,α-Trichlorotoluene see Benzotrichloride				
		2,4,6-Trichloro-1,3,5-triazine see Cyanuric chloride				
8239		**1,1,2-Trichlorotrifluoroethane** for spectroscopy **Uvasol®** $C_2Cl_3F_3$ MW 187.38 1 l = 1.57 kg CERTIFICATE OF GUARANTEE: Suitability for UV spectroscopy (1-cm cell; reference : water) Transmittance at 230 nm . . . . min. 10% 240 nm . . . . min. 67% 250 nm . . . . min. 92% from 260 nm . . . . min. 98% Suitability for IR and NMR spectroscopy passes test		250 ml 1 l	11.— 38.75	
		Tricholine citrate solution see *tri*-Choline citrate solution				
5447		**Trichomonas culture medium** for microbiology (37 g for 1 litre of culture medium)	1.8	37 g 500 g 10 x 500 g	5.— 40.— 365.—	
		Tricine see *N*-[Tris(hydroxymethyl)-methyl]-glycine				
9791		**Tri-*p*-cresyl phosphate** for gas chromatography $C_{21}H_{21}O_4P$ MW 368.37		100 g	21.—	
		Tricyclo(5,2,1,$0^{2,6}$)decane see Tetrahydrodicyclopentadiene				
		Tricyclo(3,3,1,$1^{3,7}$)decane-1-carboxylic acid see 1-Adamantanecarboxylic acid				
		Tricyclo(3,3,1,$1^{3,7}$)decan-1-ol see 1-Adamantanol				
8078		**Tricyclohexylphosphine** for synthesis (ORG) $C_{18}H_{33}P$ MW 280.44	2.3	50 g	10.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
9609	***n*-Tridecane** reference substance for gas chromatography $C_{13}H_{28}$ MW 184.37		5 ml	21.—	
746	**Tridecanoic acid** for biochemistry (LAB) $C_{13}H_{26}O_2$ MW 214.35	3	10 g	12.25	
8633	**2-Tridecanone** for synthesis (ORG) $C_{13}H_{26}O$ MW 198.35	1	25 g	9.50	
8655	**3-Tridecanone** for synthesis (ORG) $C_{13}H_{26}O$ MW 198.35		10 g	10.—	
8659	**6-Tridecanone** for synthesis (ORG) $C_{13}H_{26}O$ MW198.35 1 l = 0.82 kg		50 ml	47.50	
2904	**Trideuteroacetonitrile** deuteration degree not less than 99% for spectroscopy **Uvasol®** CD_3CN MW 44.07 1 l = 0.84 kg CERTIFICATE OF GUARANTEE: Suitability for IR and NMR spectroscopy passes test		1 ml 10 ml 50 ml	10.– 75.— 340.—	
3447	**Trideuteroacetyl chloride** deuteration degree not less than 99% CD_3COCl MW 81.52 1 l = 1.15 kg		5 ml	70.—	
	Trideuteroammonia solution see *tri*-Deuteroammonia solution, page 232				
2909	**Trideuteromethylammonium chloride** deuteration degree not less than 99% $CD_3NH_2 \cdot HCl$ MW 70.54		1 g 10 g	14.— 110.–	
2910	**Trideuteromethyl bromide** deuteration degree not less than 99% CD_3Br MW 97.96 1 l = 1.80 kg		1 ml 10 ml	17.— 140.—	
3413	**Trideuteromethyl iodide** deuteration degree not less than 99% CD_3I MW 144.96 1 l = 2.29 kg		1 ml 10 ml	19.50 165.—	

		Volume	Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
2914	**Trideuteronitromethane** deuteration degree not less than 99% for spectroscopy **Uvasol**®			
	CD_3NO_2 MW 64.06	1 l = 1.19 kg	1 ml 10.— / 10 ml 70.—	
	CERTIFICATE OF GUARANTEE: Suitability for IR and NMR spectroscopy passes test			
	Trideuterophosphoric acid see *tri*-Deuterophosphoric acid, page 233			
8379	**Triethanolamine** GR			
	$C_6H_{15}NO_3$ MW 149.19	1 l = 1.12 kg	250 ml 6.10 / 1 l 16.75	
	CERTIFICATE OF GUARANTEE: Assay . . . . . min. 99% · d 20°/4° . . . . . 1.122–1.125 · Refractive index ($n_D^{20°}$) . . . . 1.4840–1.4855 · Chloride (Cl) . . max. 0.001% · Heavy metals (as Pb) . . . . max. 0.0005% · Iron (Fe) . . . . max. 0.0005% · Ammonia solution passes test			
	Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.			
8377	**Triethanolamine** pure			
	$C_6H_{15}NO_3$ MW 149.19	1 l = 1.12 kg	500 ml 6.50 / 1 l 10.— / 5 l 39.— / 50 kg	6.—
8376	**Triethanolamine** technical			
	$C_6H_{15}NO_3$ MW 149.19	1 l = 1.12 kg	1 l 6.80 / 5 l 27.25 / 50 kg	3.25
[illegible]	**Triethanolamine hydrochloride** GR		100 g 8.50	
	$C_6H_{16}ClNO_3$ MW 185.65			
[illegible]	**Triethoxyphenylsilane** for synthesis (ORG)			
	$C_{12}H_{20}O_3Si$ MW 240.38	1 l = 1.00 kg	100 ml 12.75	
[illegible]	**Triethoxyvinylsilane** for synthesis (ORG)			
	$C_8H_{18}O_3Si$ MW 190.32	1 l = 0.89 kg	100 ml 11.50	
[illegible]	**Triethylamine** for synthesis (LAB)			
	$C_6H_{15}N$ MW 101.19	1 l = 0.72 kg	250 ml 4.50 / 1 l 10. / 2½ l 22.—	
	TYPE ANALYSIS: Assay (gas chromatographic) . . . . 99% · d 20°/4° . . . . . 0.727–0.729 · Boiling-range (760 Torr) . . . 88–90° C · Ethylamine (g. c.) . 0.1 % · Diethylamine (g. c.) 0.3 % · n-Butylamine (g. c.) 0.05 % · Water . . . . . 0.07 % · Non-volatile substances . . . 0.005%			

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
251	**Triethyl citrate** for synthesis (ORG) $C_{12}H_{20}O_7$ MW 276.29	1 l = 1.44 kg	500 ml	12.25	
	Triethylenediamine see 1,4-Diazabicyclo-(2,2,2)-octane				
8245	**Triethylene glycol** for synthesis (ORG) $C_6H_{14}O_4$ MW 150.18	1 l = 1.12 kg	1 l 2½ l	6.80 14.75	
8249	**Triethylene glycol dimethyl ether** for synthesis (ORG) $C_8H_{18}O_4$ MW 178.23	1 l = 0.98 kg	100 ml	8.50	
1624	**Triethylene glycol monobutyl ether** for synthesis (ORG) $C_{10}H_{22}O_4$ MW 206.28	1 l = 0.99 kg	1 l	13.25	
	0,0′,0″-Triethylethylsilanetriol see Ethyltriethoxysilane				
	Triethyl 2-hydroxy-1,2,3-propanetrioate see Triethyl citrate				
892 •I•	**Triethyl orthoformate** pure $C_7H_{16}O_3$ MW 148.20 TYPE ANALYSIS: d 20°/4° . . . . . 0.8930 Boiling-range (90%) 141–147° C Non-volatile substances 0.005%	1 l = 0.89 kg	250 ml 1 l	9.— 29.50	
	0,0′,0″-Triethylphenylsilanetriol see Triethoxyphenylsilane				
549 •I•	**Triethyl phosphite** for synthesis (LAB) $C_6H_{15}O_3P$ MW 166.16	1 l = 0.97 kg	250 ml	21.—	
	0,0′,0″-Triethylvinylsilanetriol see Triethoxyvinylsilane				

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8262	•|•	**Trifluoroacetic acid** for spectroscopy **Uvasol®** $C_2HF_3O_2$ MW 114.02 1 l = 1.48 kg CERTIFICATE OF GUARANTEE: Suitability for IR and NMR spectroscopy passes test			25 ml 100 ml	11.50 36.75	
8260	•|•	**Trifluoroacetic acid** for synthesis (LAB) $C_2HF_3O_2$ MW 114.02 1 l = 1.48 kg TYPE ANALYSIS: Assay (acidimetric) . . 99% d 20°/4° . . . . . 1.486–1.489 Chloride (Cl) . . . . . 0.035% Sulfate (SO_4) . . . . . 0.01 % Phosphate (PO_4) . . . 0.001% Heavy metals (as Pb) . 0.002% Iron (Fe) . . . . . 0.001% Foreign organic substances passes test Sulfated ash . . . . . 0.02 %			25 ml 100 ml 1 l	7.— 21.50 179.—	
		Trifluoroacetic acid-d see Deuterotrifluoroacetic acid					
		Trifluoroacetic anhydride see Bis(trifluoroacetic) anhydride					
8258		**2,2,2-Trifluoroethanol** for spectroscopy **Uvasol®** $C_2H_3F_3O$ MW 100.04 1 l = 1.39 kg			50 ml	79.—	
8259		**2,2,2-Trifluoroethanol** for synthesis (LAB) $C_2H_3F_3O$ MW 100.04 1 l = 1.39 kg			25 ml 100 ml	12.75 42.—	
		Trifluoromethylaniline see Aminobenzotrifluoride					
		Trifluoromethylbenzene see Benzotrifluoride					
8233	•|•	**3-Trifluoromethylbenzoyl fluoride** for synthesis (ORG) $C_8H_4F_4O$ MW 192.11 1 l = 1.38 kg			100 ml	19.50	
8604		**2-(Trifluoromethyl)-phenothiazine** for synthesis (ORG) $C_{13}H_8F_3NS$ MW 267.27	2.5	P	10 g	21.—	
8605		**α,α,α-Trifluoro-2-nitrotoluene** for synthesis (ORG) $C_7H_4F_3NO_2$ MW 191.11	2	P	100 g	20.—	
		1,1,1-Trifluoro-3-(2-thenoyl)-acetone see 1-(2-Thenoyl)-3,3,3-trifluoroacetone					

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	α,α,α-Trifluorotoluene see Benzotrifluoride				
	Trifluorotrichloroethane see 1,1,2-Trichlorotrifluoroethane				
8620	**Triglycine sulfate Optipur®** $C_6H_{17}N_3O_{10}S$ MW 323.28		100 g 500 g	prices on application	
	Triglycol see Triethylene glycol				
	1,2,3-Trihydroxybenzene see Pyrogallol				
	1,3,5-Trihydroxybenzene see Phloroglucinol				
	3,4,5-Trihydroxybenzoic acid see Gallic acid				
	3α,7α,12α-Trihydroxy-5β-cholanic acid see Cholic acid				
501902	**Trihydroxyethylrutin** about $C_{33}H_{42}O_{19}$		100 g 1 kg 5 kg	prices on application	
	2,6,7-Trihydroxy-9-phenyl-3H-xanthen-3-one see Phenylfluorone				
	11β,17α,21-Trihydroxy-1,4-pregnadiene-3,20-dione see Prednisolone				
	3α,17α,21-Trihydroxy-5β-pregnane-11,20-dione see Tetrahydrocortisone				
	3α,17α,20α_F-Trihydroxy-5β-pregnan-11-one see Pregnanetriolone				
	11β,17α,21-Trihydroxy-4-pregnene-3,20-dione see Hydrocortisone				
	Triisopropanolamine see 1,1′,1″-Nitrilotris(2-propanol)				
	Triketohydrindene hydrate see Ninhydrin				
	Trilithium citrate see *tri*-Lithium citrate				
	Trimagnesium dicitrate see *tri*-Magnesium dicitrate				
	3,4,5-Trimethoxyphenethylammonium sulfate see Mescalinium sulfate				

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
		Trimethylacetonitrile see Pivalonitrile				
8200		**2,4,5-Trimethylaniline** for synthesis (ORG) $C_9H_{13}N$ MW 135.21		10 g	14.25	
8606		**2,4,6-Trimethylaniline** for synthesis (ORG) $C_9H_{13}N$ MW 135.21	1 l = 0.96 kg	100 ml	18.—	
		1,3,5-Trimethylbenzene see Mesitylene				
9788	•|•	**2,2,3-Trimethylbutane** reference substance for gas chromatography C_7H_{16} MW 100.21		5 ml	21.—	
		Trimethylcarbinol see *tert*-Butanol				
		Trimethylchlorosilane see Chlorotrimethylsilane				
		4-(2,6,6-Trimethyl-1-cyclohexenyl)-3-buten-2-one see β-Ionone				
		Trimethylcyclohexyl phthalate see Bis(3,3,5-trimethylcyclohexyl) phthalate				
		Trimethylenecarboxylic acid see Cyclopropanecarboxylic acid				
8272	•|•	**Trimethylenediamine** for synthesis (ORG) $C_3H_{10}N_2$ MW 74.13	1 l = 0.88 kg	250 ml	7.50	
3294	•|•	**Trimethylenediamine-*N,N*-diethanol** for synthesis (ORG) $C_7H_{18}N_2O_2$ MW 162.23	1 l = 1.07 kg	100 ml	8.50	
		Trimethylene glycol see 1,3-Propanediol				
		Trimethylglycine see Betaine				
8187	•|•	**1,1,1-Trimethylolpropane trimethacrylate** for synthesis (ORG) stabilised with 0.02% hydroquinone monomethyl ether $C_{18}H_{26}O_6$ MW 338.40	1 l = 1.06 kg	250 ml	26.25	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
885	•|•	**Trimethyl orthoformiate** for synthesis (LAB) $C_4H_{10}O_3$ MW 106.12 1 l = 0.97 kg		250 ml	8.—	
9783	•|•	**2,2,3-Trimethylpentane** reference substance for gas chromatography C_8H_{18} MW 114.23		5 ml	21.—	
9784	•|•	**2,3,3-Trimethylpentane** reference substance for gas chromatography C_8H_{18} MW 114.23		5 ml	21.—	
9786	•|•	**2,3,4-Trimethylpentane** reference substance for gas chromatography C_8H_{18} MW 114.23		5 ml	21.—	
		2,2,4-Trimethylpentane see *iso*-Octane				
8648		**2,4,6-Trimethylphenol** for synthesis (ORG) $C_9H_{12}O$ MW 136.20	1	100 g	25.—	
8428		***N,N,N*-Trimethyl-*N*-phenylammonium chloride** for synthesis (LAB) $C_9H_{14}ClN$ MW 171.67 TYPE ANALYSIS: Assay (perchloric acid titration) . . . . . 99% Water (acc. to Karl Fischer) . . . . . 0.5% Sulfated ash 0.1%	1.6	1 kg	29.50	
553	•|•	**Trimethyl phosphite** for synthesis (LAB) $C_3H_9O_3P$ MW 124.08 1 l = 1.05 kg		250 ml 1 l	8.50 25.25	
		2,4,6-Trimethylpyridine see 2,4,6-Collidine				
		Trimethylsilyl chloride see Chlorotrimethylsilane				
8741	•|•	***N*-(Trimethylsilyl)-diethylamine** for synthesis (LAB) $C_7H_{19}NSi$ MW 145.32 1 l = 0.77 kg		5 ml	11.—	
8252		**3-(Trimethylsilyl)-propanesulfonic acid sodium salt Uvasol®** for calibration of NMR spectra $C_6H_{15}NaO_3SSi$ MW 218.32	2.2	5 g	21.50	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8811	**3-(Trimethylsilyl)-propionic acid sodium salt** for spectroscopy **Uvasol**® $C_6H_{13}NaO_2Si$ MW 168.25		1 g	23.75	
8812	**3-(Trimethylsilyl)-tetradeuteropropionic acid sodium salt** deuteration degree not less than 99% for spectroscopy **Uvasol**® $C_6H_9D_4NaO_2Si$ MW 172.27		1 g 5 g	15.— 55.—	
	2,4,6-Trinitrophenol see Picric acid				
8254	**Trioctylphosphine oxide** for extraction analysis $C_{24}H_{51}OP$ MW 385.64	1	10 g 100 g	16.25 137.—	
	2,5,8-Trioxadodecane see Triethylene glycol dimethyl ether				
	3,7,12-Trioxo-5β-cholanic acid see Dehydrocholic acid				
8653	**Triphenylarsine** for synthesis (LAB) $C_{18}H_{15}As$ MW 306.24		10 g	6.50	
	Triphenylbromomethane see Bromotriphenylmethane				
	Triphenylchloromethane see Chlorotriphenylmethane				
8731	**Triphenyllead chloride** for synthesis (ORG) $C_{18}H_{15}ClPb$ MW 473.96	2	10 g	10.—	
	Triphenylmethyl bromide see Bromotriphenylmethane				
	Triphenylmethyl chloride see Chlorotriphenylmethane				
8269	**Triphenylphosphine** standard for elementary analysis $C_{18}H_{15}P$ MW 262.29 CERTIFICATE OF GUARANTEE: Carbon (C) . . . . . 82.4% Phosphorus (P) . . . . 11.8% Hydrogen (H) . . . . . 5.8% Suitable for determination of C, H, P.	1.9	5 g	6.80	
8270	**Triphenylphosphine** for synthesis (LAB) $C_{18}H_{15}P$ MW 262.29	1.9	25 g 100 g 1 kg	5.— 13.75 105.—	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
551		**Triphenyl phosphite** for synthesis (LAB) $C_{18}H_{15}O_3P$ MW 310.29 1 l = 1.19 kg			250 ml 1 l	7.— 19.50	
		Triphenylstannyl chloride see Triphenyltin chloride					
8380		**2,3,5-Triphenyltetrazolium chloride** for testing the germinating power of seeds and for bacteriology $C_{19}H_{15}ClN_4$ MW 334.81 CERTIFICATE OF GUARANTEE: Assay (ex N) . . . min. 99% Heavy metals (as Pb) . . . . max. 0.001% Iron (Fe) . . . . max. 0.001% Sulfated ash . . . max. 0.2 % Suitability for testing the germinating power of seeds . . . . passes test	2.2		5 g 10 g 100 g	5.— 8.40 63.—	
8395		**Triphenyltin chloride** for synthesis (ORG) $C_{18}H_{15}ClSn$ MW 385.46			100 g	18.—	
3915		**Triple sugar iron agar** for microbiology (65 g for 1 litre of culture medium)	1.8		65 g 500 g 10 x 500 g	5.25 27.50 25.50	
		Tripotassium citrate see *tri*-Potassium citrate					
		Tripotassium phosphate see *tri*-Potassium phosphate					
		Tri-*iso*-propanolamine see 1,1',1''-Nitrilotris(2-propanol)					
8079	•|•	**Tri-*iso*-propylphosphine** for synthesis (ORG) $C_9H_{21}P$ MW 160.24 1 l = 0.83 kg			25 ml	6.60	
8735	•|•	**Tripropyltin chloride** for synthesis (ORG) $C_9H_{21}ClSn$ MW 283.41 1 l = 1.50 kg			50 ml	47.50	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Tris(acetylacetonato)-aluminium see Aluminium acetylacetonate					
	Tris(acetylacetonato)-chromium(III) see Chromium(III)-acetylacetonate					
	Tris(acetylacetonato)-cobalt(III) see Cobalt(III)-acetylacetonate					
	Tris(acetylacetonato)-iron(III) see Iron(III)-acetylacetonate					
	Tris(acetylacetonato)-manganese(III) see Manganese(III)-acetylacetonate					
	TRIS-buffer see Tris(hydroxymethyl)-aminomethane					
8393	**Tris(butoxyethyl) phosphate** for synthesis (ORG) $C_{18}H_{39}O_7P$ MW 367.51 1 l = 1.00 kg			250 ml	10.50	
	1,2,3-Tris(2-cyanoethoxy)-propane see Fractonitril® III					
	Tris(2-hydroxyethyl)-amine see Triethanolamine					
8608	**1,3,5-Tris(2-hydroxyethyl)-cyanuric acid** for synthesis (ORG) $C_9H_{15}N_3O_6$ MW 261.24	2		250 g	15.–	
8382	**Tris(hydroxymethyl)-aminomethane** (aminomethylidine trimethanol) GR $C_4H_{11}NO_3$ MW 121.14 CERTIFICATE OF GUARANTEE: Assay (perchloric acid titration; on anhydrous substance) . . min. 99.5% pH (0.05 M solution) . . . 10.2–10.6 Melting-point . 169–171° C Chloride (Cl) . . max. 0.0001 % Sulfate (SO_4) . max. 0.0005 % Heavy metals (as Pb) . . . max. 0.0005 % Sulfated ash . max. 0.05 % Water . . . . . max. 0.5 %	1.7	P	100 g 500 g 1 kg 5 kg	6.60 23.75 44.25 189.–	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8387	**Tris(hydroxymethyl)-aminomethane** (amoniomethylidine trimethanol) (LAB) $C_4H_{11}NO_3$ MW 121.14	1.7	P	250 g 1 kg 5 kg	8.25 25.— 110.	
8386	**Tris(hydroxymethyl)-aminomethane** (amoniomethylidine trimethanol) $C_4H_{11}NO_3$ MW 121.14 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.7	P P	100 g 1 kg 5 kg	7.25 55.— 240.—	
8365	**Tris(hydroxymethyl)-aminomethane** (aminomethylidine trimethanol) GR volumetric standard $C_4H_{11}NO_3$ MW 121.14	2	P	100 g	8.50	
8602	***N*-[Tris(hydroxymethyl)-methyl]-glycine** (tricine) for biochemistry (LAB) $C_6H_{13}NO_5$ MW 179.17		P	25 g 100 g	8.— 23.25	
8394	**1,1,1-Tris(hydroxymethyl)-propane** for synthesis (ORG) $C_6H_{14}O_3$ MW 134.18	2	P	500 g	8.50	
	Trisodium phosphate see *tri*-Sodium phosphate					
	Tris(2,4-pentanedionato)-aluminium see Aluminium acetylacetonate					
	Tris(2,4-pentanedionato)-chromium(III) see Chromium(III) acetylacetonate					
	Tris(2,4-pentanedionato)-cobalt(III) see Cobalt(III) acetylacetonate					
	Tris(2,4-pentanedionato)-iron(III) see Iron(III) acetylacetonate					
	Tris(2,4-pentanedionato)-manganese(III) see Manganese(III) acetylacetonate					
8265	**Tris(triphenylphosphine) rhodium(I) chloride** for synthesis (LAB) $C_{54}H_{45}ClP_3Rh$ MW 925.24			1 g 5 g	36.75 163.—	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Tri-*p*-tolyl phosphate see Tri-*p*-cresyl phosphate					
	Trityl bromide see Bromotriphenylmethane					
	Trityl chloride see Chlorotriphenylmethane					
	Triuranium octoxide see *tri*-Uranium octoxide					
9792	**Tri-2,4-xylyl phosphate** for gas chromatography $C_{24}H_{27}O_4P$ MW 410.45 1 l = 1.14 kg			100 ml	74.—	
	Tropaeolin D see Methyl orange					
	3α-Tropanol see Tropine					
8384	*dl*-**Tropic acid** for synthesis (LAB) $C_9H_{10}O_3$ MW 166.18 TYPE ANALYSIS: Assay (titration with KOH) . . . . 99% Melting-range . . . 116–120° C (within 2°) Water (acc. to Karl Fischer) . . . . . 0.5% Sulfated ash 0.2%	2		50 g	23.25	
8385	**Tropine** for synthesis (LAB) $C_8H_{15}NO$ MW 141.21 TYPE ANALYSIS: Assay (perchloric acid titration; on anhydrous substance) . . . . . 99% Melting-range (of anhydrous substance) about 60° C Water (acc. to Karl Fischer) . . . . . 3 % Sulfated ash 0.1%	2.5		10 g 100 g	7.60 56.—	
5472	**Trypaflavine bromothymol-blue lactose agar** acc. to Klimmer, Haupt and Borchers for microbiology (33 g for 1 litre of culture medium)	2		33 g 500 g 10x500 g	4.75 52.50 49.—	
8367	**Trypsin** 2000 units/g (about 20000 Fuld-Gross units per g)	1.4	P	25 g 100 g 1 kg	4.25 6.30 47.25	
8214	**Trypsin** 20000 units/g	1.5		25 g	45.—	
8215 ○	**Trypsin** 80000 units/g This item has to be stored in a refrigerator. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	3		10 g	63.—	

			Volume			Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
						DM	DM
8213	○	**Trypsin** (bovine) cryst. lyophilised 2.0 U/mg for biochemistry (LAB) This item has to be stored in a refrigerator. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.			0.1 g 1 g	5.25 34.75	
8350	○	**Trypsin** (from pigs) cryst. lyophilised 3.5 U/mg for biochemistry (LAB) This item has to be stored in a refrigerator. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	4		1 g	70.—	
8218	○	**Trypsin** (bovine) bound to CM-cellulose 7–10 U/mg for biochemistry (LAB) This item has to be stored in a refrigerator. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.			0.1 g 1 g	36.75 315.—	
8217	○	**Trypsin** (bovine) TPCK-treated lyophilised 2.0 U/mg for biochemistry (LAB) This item has to be stored in a refrigerator. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.			0.5 g	90.—	
8219	○	**Trypsin** (from pigs) bound to CM-cellulose 15–20 U/mg for biochemistry (LAB) This item has to be stored in a refrigerator. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.			0.1 g 1 g	35.— 300.—	
8298	○	**Trypsin** (from pigs) bound to cross-linked maleic anhydride 5–7 U/mg for biochemistry (LAB) This item has to be stored in a refrigerator. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	5		0.1 g 1 g	35.— 300.—	
24020		**Trypsin-inhibitor** (from soya bean) chromatographically purified, lyophilised for biochemistry (LAB)			0.25 g	42.50	
8299		**Trypsin-inhibitor** (from soya bean) bound to CM-cellulose for biochemistry (LAB)			0.1 g 1 g	35.— 300.—	
8216	○	**Trypsinogen** (bovine) cryst. salt free 2.0 U/mg (after activation) for biochemistry (LAB) This item has to be stored in a refrigerator. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.			0.5 g	50.—	

		Volume			Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
					DM	DM
8372	**Tryptamine monohydrochloride** $C_{10}H_{13}ClN_2$ MW 196.68	1.5		1 g	8.50	
8404	D-**Tryptophan** for biochemistry (LAB) $C_{11}H_{12}N_2O_2$ MW 204.23	2		5 g	17.50	
8375	DL-**Tryptophan** for biochemistry (LAB) $C_{11}H_{12}N_2O_2$ MW 204.23 TYPE ANALYSIS: Assay (perchloric acid titration; on dried substance) . . . . . 99% Melting-range about 275–290° C Chloride (Cl) . . . . . 0.05 % Sulfate (SO_4) . . . . . 0.05 % Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.002% Ammonium (NH_4) . . . 0.01 % Sulfated ash . . . . . 0.1 % Water (acc. to Karl Fischer) . . . . 1 %	4	P	25 g 100 g 1 kg	11.75 39.50 price on application	
8397	DL-**Tryptophan** $C_{11}H_{12}N_2O_2$ MW 204.23	4	P	100 g 1 kg	26.25 220.—	
8374	L-**Tryptophan** for biochemistry (LAB) $C_{11}H_{12}N_2O_2$ MW 204.23 TYPE ANALYSIS: Assay (perchloric acid titration; on dried substance) . . . . . 99% Melting-range about 275–290° C Specific rotation ($[\alpha]_D^{20}$°; C = 2, 1N HCl) . . . +5° to +6.5° Chloride (Cl) . . . . . 0.05 % Sulfate (SO_4) . . . . . 0.05 % Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.002% Ammonium (NH_4) . . . 0.01 % Sulfated ash . . . . . 0.1 % Water (acc. to Karl Fischer) . . . . 1 %	6	P	5 g 25 g 100 g 1 kg	5.— 16.25 56.— price on application	
8396	L-**Tryptophan** $C_{11}H_{12}N_2O_2$ MW 204.23	6	P	100 g 1 kg	42.— 350.—	
8401	L-**Tryptophan methyl ester hydrochloride** for synthesis (LAB) $C_{12}H_{15}ClN_2O_2$ MW 254.72	7	P	5 g	17.50	
	TSI agar see Triple sugar iron agar					
5479	**TTC-Test tablets** for identification for bacterial infections of the urinary tract			100 Tabl. 500 Tabl.	prices on application	
9277	**Türk's solution** (acetic acid gentian violet solution) for the leucocyte count 1 l = 1.00 kg		P	100 ml 500 ml	3.— 5.50	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
9515 0001	**Tumeric paper** booklet cont. 100 strips		10 booklets booklet 50 booklets booklet	—.63 —.58	
829	**Tungsten(VI) oxide** WO_3 MW 231.85 TYPE ANALYSIS: Chloride (Cl) . . . . . 0.05 % Sulfate (SO_4) . . . . . 0.01 % Lead (Pb) . . . . . 0.001% Iron (Fe) . . . . . 0.001% Calcium (Ca) . . . . . 0.005% Loss on ignition (800°C) 1 % Bulk density 40–50 g/100 ml	1.9	100 g 250 g 1 kg	15.— 35.— 120.—	
	Tungsten trioxide see Tungsten(VI) oxide				
828	**Tungstic acid** extra pure H_2WO_4 MW 249.86 TYPE ANALYSIS: Assay of H_2WO_4 . . . . . 98% Chloride (Cl) . . . . 0.05 % Sulfate (SO_4) . . . . . 0.02 % Iron (Fe) . . . . . 0.001% Molybdenum (Mo) . . 0.005% Calcium (Ca) . . . . . 0.01 % Bulk density about 35–45 g/100 ml	1.9	100 g 250 g 1 kg 25 kg	14.— 31.— 110.— price on application	
	Tungstic acid anhydrous see Tungsten(VI) oxide				
	Tungstic anhydride see Tungsten(VI) oxide				
583	**Tungstophosphoric acid** (phosphotungstic acid) GR $H_3[P(W_3O_{10})_4] \cdot x\ H_2O$ MW 2880.17 anhydrous CERTIFICATE OF GUARANTEE: Chloride (Cl) . . max. 0.005% Nitrate (NO_3) . . max. 0.002% Heavy metals (as Pb) . . . . max. 0.002% Iron (Fe) . . . . . max. 0.002% Sodium (Na) . . . max. 0.02 % Potassium (K) . . max. 0.02 % Ammonium (NH_4) max. 0.002% Loss on ignition . max. 17 %	0.6	25 g 100 g 250 g	6.50 20.— 45.—	
582	**Tungstophosphoric acid** (phosphotungstic acid) cryst. $H_3[P(W_3O_{10})_4] \cdot x\ H_2O$ MW 2880.17 anhydrous TYPE ANALYSIS: Insoluble substances . 0.01 % Chloride (Cl) . . . . . 0.01 % Nitrate (NO_3) . . . . . 0.01 % Heavy metals and iron (as Fe) . . . . . 0.005% Ammonium (NH_4) . . . 0.002% Loss on ignition 13.8–16.6%	0.6	100 g 250 g 1 kg	15.— 35.— 125.—	
	Tungstophosphoric acid reagent see Folin-Denis' reagent				

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
659	**Tungstosilicic acid** (silicotungstic acid) GR $H_4[Si(W_3O_{10})_4] \cdot x\,H_2O$ MW 2878.29 (anhydrous) CERTIFICATE OF GUARANTEE: Chloride (Cl) . . . max. 0.002% Sulfate (SO_4) . . max. 0.005% Nitrogen total (N) max. 0.002% Heavy metals (as Pb) . . . . max. 0.002% Iron (Fe) . . . . . max. 0.001% Sodium (Na) . . . max. 0.02 % Potassium (K) . . max. 0.02 % Loss on ignition . max. 16 %	0.5	P	10 g 25 g 100 g	5.50 11.25 36.50	
447069	**Two-dye test** for the liver function test acc. to Zimmer (ampoules 10 ml)			10 ampoules 50 ampoules	17.25 77.—	
8373	**Tyraminium chloride** (4-hydroxyphenethylammonium chloride) $C_8H_{12}ClNO$ MW 173.64 TYPE ANALYSIS: Assay (perchloric acid titration; on dried substance) . . . 99% Melting-range . . . 270-280° C Sulfate (SO_4) . . . 0.05 % Iron (Fe) . . . . . 0.001% Heavy metals (as Pb) . 0.001% Ammonium (NH_4) . . . 0.001% Sulfated ash . . . . . 0.1 % Water (acc to Karl Fischer) . . . . 1 % Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2		1 g 5 g	5.30 18.—	
8371	L(−)**Tyrosine** for biochemistry (LAB) $C_9H_{11}NO_3$ MW 181.19 TYPE ANALYSIS: Assay (perchloric acid titration; on dried substance) . . . . . 99% Melting-range . . . 295–305° C Specific rotation ($[\alpha]_D^{20°}$; c = 4, 1N HCl) −9.8° to −11.2° Chloride (Cl) . . . . . 0.01 % Sulfate (SO_4) . . . . 0.01 % Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.001% Ammonium (NH_4) . . . 0.005% Water (acc.to Karl Fischer) . . . . 1 % Sulfated ash . . . . . 0.1 %	5	P	25 g 100 g 1 kg	4.75 12.50 price on application	
8383	L(−)**Tyrosine** $C_9H_{11}NO_3$ MW 181.19	5	P	250 g 1 kg	20.— 69.—	
8366	L(−)**Tyrosine methyl ester hydrochloride** for synthesis (LAB) $C_{10}H_{14}ClNO_3$ MW 231.68		P	5 g	5.30	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
3472	•I•	**Undecadeuterodimethylaniline** deuteration degree not less than 99% $C_8D_{11}N$ MW 132.25	1 l = 1.05 kg		5 ml	120.—	
8457		**Undecanal** for synthesis (ORG) $C_{11}H_{22}O$ MW 170.30	1 l = 0.83 kg		25 ml	10.—	
9795	•I•	*n*-**Undecane** GR $C_{11}H_{24}$ MW 156.31	1 l = 0.74 kg		100 ml	25.75	
9794	•I•	*n*-**Undecane** reference substance for gas chromatography $C_{11}H_{24}$ MW 156.31			5 ml	21.—	
8464		**Undecanoic acid** for biochemistry (LAB) $C_{11}H_{22}O_2$ MW 186.30	1 l = 0.91 kg		100 ml	22.75	
8468		**1-Undecanol** for synthesis (ORG) $C_{11}H_{24}O$ MW 172.31	1 l = 0.83 kg		100 ml	12.75	
8469		**2-Undecanone** for synthesis (ORG) $C_{11}H_{22}O$ MW 170.30	1 l = 0.83 kg		100 ml	8.—	
8466		**Undecanoyl chloride** for synthesis (ORG) $C_{11}H_{21}ClO$ MW 204.74	1 l = 0.93 kg		50 ml	7.50	
		10-Undecenoic acid see Undecylenic acid					
		Undecyl alcohol see 1-Undecanol					
813		**Undecylenic acid** (10-undecenoic acid) $C_{11}H_{20}O_2$ MW 184.28	1 l = 0.91 kg		250 ml 1 l aluminium bottle 5 l	8.25 25.25 105.—	
8458		**Universal combustion catalyst** acc. to Körbl for microelementary analysis	1		5 g 100 g	14.25 237.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Universal indicator paper pH 1–10				
				booklet	
9525/0001	including colour scale booklet cont. 100 strips		1 booklet	1.80	
			10 booklets	1.60	
			50 booklets	1.50	
				box	
9526/0001	including colour scale plastic box cont. 1 roll		1 box	2.10	
			10 boxes	1.90	
			50 boxes	1.80	
				bag	
9527/0001	refills without colour scales paper bag cont. 3 rolls		1 bag	3.—	
			10 bags	2.75	
			50 bags	2.65	
9175	**Universal indicator solution** including colour scale pH 4–10		plastic dropping bottle		
			100 ml	4.75	
	1 l = 0.89 kg		1 l	17.—	
9535/0001	**Universal indicator** strips non bleeding pH 0–14		pack of 100 strips	2.85	
			10 packs	2.70	
			50 packs	2.55	
7043	**Universal peptone M 66** for microbiology	2.3	250 g	11.75	
			1 kg	38.50	
8460	**Uracil** for biochemistry (LAB)	3	5 g	4.50	
	$C_4H_4N_2O_2$ MW 112.09		25 g	13.25	
8462	**Uranine AP** (C. I. No. 45 350, S. No. 880) conc., for examination of subterranean waters	1.3	100 g	6.10	
			250 g	13.25	
	$C_{20}H_{10}Na_2O_5$ MW 376.28		1 kg	45.25	
			5 kg	216.—	

Uranine see also Fluorescein sodium

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8470	**Uranium** turnings, nuclear grade (LAB) U AW 238.03		50 g	44.75	

TYPE ANALYSIS:

Gadolinium (Gd)	$5 \cdot 10^{-6}$ % (0.05 ppm)
Boron (B)	$1 \cdot 10^{-5}$ % (0.1 ppm)
Cadmium (Cd)	$1 \cdot 10^{-5}$ % (0.1 ppm)
Lithium (Li)	$1 \cdot 10^{-5}$ % (0.1 ppm)
Cobalt (Co)	$5 \cdot 10^{-4}$ % (5 ppm)
Silver (Ag)	$1 \cdot 10^{-4}$ % (1 ppm)
Manganese (Mn)	$1.5 \cdot 10^{-3}$ % (15 ppm)
Nitrogen (N)	$5 \cdot 10^{-3}$ % (50 ppm)
Vanadium (V)	$1 \cdot 10^{-3}$ % (10 ppm)
Nickel (Ni)	$3.5 \cdot 10^{-3}$ % (35 ppm)
Copper (Cu)	$5 \cdot 10^{-4}$ % (5 ppm)
Chromium (Cr)	$2 \cdot 10^{-3}$ % (20 ppm)
Iron (Fe)	$7.5 \cdot 10^{-3}$ % (75 ppm)
Molybdenum (Mo)	$2 \cdot 10^{-3}$ % (20 ppm)
Aluminium (Al)	$5 \cdot 10^{-3}$ % (50 ppm)
Phosphorus (P)	$5 \cdot 10^{-3}$ % (50 ppm)
Silicon (Si)	$5 \cdot 10^{-3}$ % (50 ppm)
Carbon (C)	$1.5 \cdot 10^{-2}$ % (150 ppm)

Whereas the boron equivalents of the aforementioned impurities amount to less than $7 \cdot 10^{-5}$ % (0.7 ppm) we guarantee that the actual boron equivalent of all impurities, independent of minute variations of analysis, does not exceed $1.4 \cdot 10^{-4}$ % (1.4 ppm).

Uranium dioxide see Uranium(IV) oxide

Uranium(VI) dioxide diacetate see Uranyl acetate

Uranium(VI) dioxide dinitrate see Uranyl nitrate

8477	**Uranium(IV) fluoride** nuclear grade (LAB) UF_4 MW 314.02		50 g	39.50	

TYPE ANALYSIS (referred to U):

Gadolinium (Gd)	$5 \cdot 10^{-6}$ % (0.05 ppm)
Boron (B)	$1 \cdot 10^{-5}$ % (0.1 ppm)
Cadmium (Cd)	$1 \cdot 10^{-5}$ % (0.1 ppm)
Lithium (Li)	$1 \cdot 10^{-5}$ % (0.1 ppm)
Cobalt (Co)	$5 \cdot 10^{-4}$ % (5 ppm)
Silver (Ag)	$1 \cdot 10^{-4}$ % (1 ppm)
Manganese (Mn)	$1.5 \cdot 10^{-3}$ % (15 ppm)
Vanadium (V)	$1 \cdot 10^{-5}$ % (0.1 ppm)
Nickel (Ni)	$3.5 \cdot 10^{-3}$ % (35 ppm)
Copper (Cu)	$5 \cdot 10^{-4}$ % (5 ppm)
Chromium (Cr)	$2 \cdot 10^{-3}$ % (30 ppm)
Iron (Fe)	$7.5 \cdot 10^{-3}$ % (75 ppm)
Aluminium (Al)	$2.5 \cdot 10^{-3}$ % (25 ppm)

Whereas the boron equivalents of the aforementioned impurities amount to less than $6 \cdot 10^{-5}$ % (0.6 ppm) we guarantee that the actual boron equivalent of all impurities, independent of minute variations of analysis, does not exceed $1.2 \cdot 10^{-4}$ % (1.2 ppm).

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8478	***tri*-Uranium octoxide** nuclear grade (LAB) U_3O_8 MW 842.09		50 g	35.75	

TYPE ANALYSIS (referred to U):

Gadolinium (Gd)	$5 \cdot 10^{-6}$ % (0.05 ppm)
Boron (B)	$1 \cdot 10^{-5}$ % (0.1 ppm)
Cadmium (Cd)	$1 \cdot 10^{-5}$ % (0.1 ppm)
Lithium (Li)	$1 \cdot 10^{-5}$ % (0.1 ppm)
Cobalt (Co)	$5 \cdot 10^{-4}$ % (5 ppm)
Silver (Ag)	$1 \cdot 10^{-4}$ % (1 ppm)
Manganese (Mn)	$1.5 \cdot 10^{-3}$ % (15 ppm)
Vanadium (V)	$1 \cdot 10^{-3}$ % (10 ppm)
Nickel (Ni)	$8 \cdot 10^{-4}$ % (8 ppm)
Copper (Cu)	$5 \cdot 10^{-4}$ % (5 ppm)
Chromium (Cr)	$8 \cdot 10^{-4}$ % (8 ppm)
Iron (Fe)	$4 \cdot 10^{-3}$ % (40 ppm)
Molybdenum (Mo)	$5 \cdot 10^{-4}$ % (5 ppm)
Aluminium (Al)	$2.5 \cdot 10^{-3}$ % (25 ppm)
Phosphorus (P)	$5 \cdot 10^{-3}$ % (50 ppm)
Silicon (Si)	$5 \cdot 10^{-3}$ % (50 ppm)

Whereas the boron equivalents of the aforementioned impurities amount to less than $6 \cdot 10^{-5}$ % (0.6 ppm) we guarantee that the actual boron equivalent of all impurities, independent of minute variations of analysis, does not exceed $1.2 \cdot 10^{-4}$ % (1.2 ppm).

8471	**Uranium(IV) oxide** (ceramic grade) nuclear grade (LAB) UO_2 MW 270.03		50 g	35.75	

TYPE ANALYSIS (referred to U):

Gadolinium (Gd)	$5 \cdot 10^{-6}$ % (0.05 ppm)
Boron (B)	$1 \cdot 10^{-5}$ % (0.1 ppm)
Cadmium (Cd)	$1 \cdot 10^{-5}$ % (0.1 ppm)
Lithium (Li)	$1 \cdot 10^{-5}$ % (0.1 ppm)
Cobalt (Co)	$5 \cdot 10^{-4}$ % (5 ppm)
Silver (Ag)	$1 \cdot 10^{-4}$ % (1 ppm)
Manganese (Mn)	$1.5 \cdot 10^{-3}$ % (15 ppm)
Vanadium (V)	$1 \cdot 10^{-3}$ % (10 ppm)
Nickel (Ni)	$1 \cdot 10^{-3}$ % (10 ppm)
Copper (Cu)	$5 \cdot 10^{-4}$ % (5 ppm)
Chromium (Cr)	$1 \cdot 10^{-3}$ % (10 ppm)
Iron (Fe)	$5 \cdot 10^{-3}$ % (50 ppm)
Molybdenum (Mo)	$5 \cdot 10^{-4}$ % (5 ppm)
Aluminium (Al)	$2.5 \cdot 10^{-3}$ % (25 ppm)
Phosphorus (P)	$5 \cdot 10^{-3}$ % (50 ppm)
Silicon (Si)	$5 \cdot 10^{-3}$ % (50 ppm)

Whereas the boron equivalents of the aforementioned impurities amount to less than $6 \cdot 10^{-5}$ % (0.6 ppm) we guarantee that the actual boron equivalent of all impurities, independent of minute variations of analysis, does not exceed $1.2 \cdot 10^{-4}$ % (1.2 ppm).

Uranium tetrafluoride see Uranium(IV) fluoride

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8473	**Uranyl acetate** GR $(CH_3COO)_2UO_2 \cdot 2\,H_2O$ MW 424.15 CERTIFICATE OF GUARANTEE: Assay of $(CH_3COO)_2UO_2 \cdot 2\,H_2O$ . . . . . min. 99% Chloride (Cl) . . max. 0.003 % Sulfate (SO_4) . . max. 0.01 % Heavy metals (as Pb) . . . . max. 0.0005% Iron (Fe) . . . . max. 0.001 % Calcium (Ca) . . max. 0.004 % Potassium (K) . . max. 0.001 % Ammonium (NH_4) max. 0.001 % Substances reducing $KMnO_4$ (as U IV) max. 0.03 % Sodium (Na) . . max. 0.005 %	0.8	P	25 g 100 g 500 g	8.40 27.50 111.—	
9425	**Uranyl acetate solution** 1.6% GR 1 l = 1.01 kg CERTIFICATE OF GUARANTEE: Assay of $UO_2(CH_3COO)_2 \cdot 2\,H_2O$ 1.6% Chloride (Cl) . max. 0.0001 % Ammonium (NH_4) max. 0.00005% Sodium (Na) . max. 0.001 %			250 ml 1 l	6.30 19.—	
8476	**Uranyl nitrate** GR $UO_2(NO_3)_2 \cdot 6\,H_2O$ MW 502.13 CERTIFICATE OF GUARANTEE: Assay of $UO_2(NO_3)_2 \cdot 6\,H_2O$ . . . . . min. 99% Chloride (Cl) . . max. 0.005 % Sulfate (SO_4) . . max. 0.005 % Heavy metals (as Pb) . . . . max. 0.0005% Iron (Fe) . . . . max. 0.001 % Calcium (Ca) . . max. 0.004 % Sodium (Na) . . max. 0.005 % Potassium (K) . . max. 0.005 % Substances reducing $KMnO_4$ (as U IV) max. 0.06 %	0.7	P	25 g 100 g	7.10 21.—	
8487	**Urea** GR H_2NCONH_2 MW 60.06 CERTIFICATE OF GUARANTEE: Assay (ex N) . . min. 99.5% Melting-point . . 132–133° C Chloride (Cl) . . max. 0.0005% Sulfate (SO_4) . . max. 0.001 % Heavy metals (as Pb) . . . . max. 0.0004% Iron (Fe) . . . . max. 0.0002% Biuret . . . . . max. 0.1 % Sulfated ash . . max. 0.01 %	1.8	P	500 g 1 kg 5 kg	5.70 9.50 40.—	
8488	**Urea** for biochemistry (LAB) H_2NCONH_2 MW 60.06	2	P	250 g 1 kg 5 kg	8.25 25.— 110.—	
8486	**Urea** cryst. extra pure NF XI, USP XVII H_2NCONH_2 MW 60.06 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1.5		1 kg 5 kg 9051/50 kg	5.— 16.50	2.50
8485	**Urea** pure Erg B 6, BP 1968 H_2NCONH_2 MW 60.06	1.5		5 kg 9051/50 kg	14.—	2.—

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8484	**Urea** beads pure Erg B 6, BP 1968, NF XI H_2NCONH_2 MW 60.06	1.5	5 kg 9051/50 kg	14.—	2.—
8402	**Urea agar** acc. to Christensen (base) for microbiology (21 g for 1 litre of culture medium)	1.7	21 g 500 g 10 x 500 g	3.50 32.50 30.—	
8483	**Urea broth** for microbiology (39 g for 1 litre of culture medium)	1.7	39 g 500 g 10 x 500 g	4.— 13.— 12.—	
8489	**Urease*** lyophilised 5 U/mg for determination of urea in serum	4	5 g 25 g	9.— 38.—	
8482	**Urease*** cryst. lyophilised 125 U/mg for biochemistry (LAB)		25 mg 100 mg	53.— 187.—	
8479	**Urease*** water-soluble lyophilised 5 U/mg for biochemistry (LAB) * These items have to be stored in a refrigerator. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	4	1 g 10 g	9.50 71.—	
8480	**Urease** 200 000 units/g	2.4	100 g	100.—	
8490	**Urethan** DAB 6, BP 1968, Cod Franç 1949, Ph Ned VI, USP XVI $C_3H_7NO_2$ MW 89.09	1.7	250 g 1 kg 5 kg 50 kg	3.45 10.25 36.75	6.30
817	**Uric acid** for biochemistry (LAB) $C_5H_4N_4O_3$ MW 168.11	3	25 g	6.80	
814	**Uric acid** $C_5H_4N_4O_3$ MW 168.11 TYPE ANALYSIS: Assay (ex N) . . . . 99% Chloride (Cl) . . . . . 0.02 % Heavy metals (as Pb) 0.001% Iron (Fe) . . . . . 0.001% Sulfated ash . . . . . 0.1% Water (acc. to Karl Fischer) 0.5%	2.5	100 g 250 g 1 kg	19.— 45.— 160.—	
8451	**Uridine** for biochemistry (LAB) $C_9H_{12}N_2O_6$ MW 244.21	4	1 g 5 g	4.25 12.25	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8450	**Uridine diphosphate-glucose disodium salt** (Urd-5′-P-P-GlcNa$_2$) for biochemistry (LAB) $C_{15}H_{22}N_2Na_2O_{17}P_2$ MW 610.27	3		25 mg 100 mg (4 x 25 mg)	11.25 40.—	
8455	**Uridine-5′-diphosphoric acid trisodium salt** (UDPNa$_3$, Urd-5′-P-PNa$_3$) for biochemistry (LAB) $C_9H_{11}N_2Na_3O_{12}P_2$ MW 470.11 This item has to be stored in a refrigerator at 0° C or below. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	3		25 mg	9.50	
8452	**Uridinemonophosphoric acid disodium salt** (mixture of Urd-2′PNa$_2$ and Urd-3′-PNa$_2$) for biochemistry (LAB) $C_9H_{11}N_2Na_2O_9P$ MW 368.15 Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	4		1 g 10 g	14.75 116.—	
8453	**Uridine-5′-monophosphoric acid disodium salt** (Urd-5′-PNa$_2$) for biochemistry (LAB) $C_9H_{11}N_2Na_2O_9P$ MW 368.15 Keep in refrigerator dry and well closed. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	3		1 g 10 g	10.50 79.—	
8456	**Uridine-5′-triphosphoric acid trisodium salt** (UTPNa$_3$, Urd-5′-P-P-PNa$_3$) for biochemistry (LAB) $C_9H_{12}N_2Na_3O_{15}P_3$ MW 550.09 This item has to be stored in a refrigerator at 0° C or below. Sale in general only within Europe; to overseas countries only by airfreight at customers' risk.	3		0.1 g 1 g	5.30 33.25	
5371	**UV Absorber** (UV filter for technical application)	1.9		1 kg 5 kg 25 kg	43.50 205.—	 38.25

Uvasol® *optically pure solvents for ultraviolet and infrared spectroscopy* *see page 811*

UV filters for cosmetics
see Sun-screening substances

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8504	•I•	**Valeraldehyde** for synthesis (ORG) $C_5H_{10}O$ MW 86.13	1 l = 0.82 kg		250 ml	9.50	
821	•I•	**Valeric acid** for synthesis (LAB) $C_5H_{10}O_2$ MW 102.13	1 l = 0.94 kg		250 ml 1 l	4.75 12.50	
820	•I•	*iso*-**Valeric acid** for synthesis (ORG) $C_5H_{10}O_2$ MW 102.13	1 l = 0.94 kg		250 ml	7.75	
8543		**Valeric anhydride** for synthesis (ORG) $C_{10}H_{18}O_3$ MW 186.25	1 l = 0.93 kg		100 ml	10.50	
8516		γ-**Valerolactone** for synthesis (ORG) $C_5H_8O_2$ MW 100.12	1 l = 1.05 kg		100 ml	18.50	
8514	•I•	**Valeronitrile** for synthesis (ORG) C_5H_9N MW 83.13	1 l = 0.80 kg		50 ml	13.—	
8515	•I•	*iso*-**Valeronitrile** for synthesis (ORG) C_5H_9N MW 83.13	1 l = 0.79 kg		25 ml	10.50	
8544	•I•	**Valeryl chloride** for synthesis (ORG) C_5H_9ClO MW 120.58	1 l = 0.98 kg		100 ml	13.25	
8545	•I•	*iso*-**Valeryl chloride** for synthesis (ORG) C_5H_9ClO MW 120.58	1 l = 0.99 kg		100 ml	15.75	
8499		D-**Valine** for biochemistry (LAB) $C_5H_{11}NO_2$ MW 117.15		2	5 g	18.—	
8494		DL-**Valine** for biochemistry (LAB) $C_5H_{11}NO_2$ MW 117.15 TYPE ANALYSIS: Assay (perchloric acid titration; on dried substance) . . . 99% Melting-range . . . 290-300° C Chloride (Cl) . . . 0.005 % Sulfate (SO_4) . . . 0.01 % Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.001 % Ammonium (NH_4) . . 0.0005% Water (acc. to Karl Fischer) . . . 1 % Sulfated ash . . . . 0.1 %		2	25 g 100 g 1 kg	5.— 12.50 price on application	
8497		DL-**Valine** $C_5H_{11}NO_2$ MW 117.15		2	250 g 1 kg	19.— 69.—	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8495	L(+)**Valine** for biochemistry (LAB) $C_5H_{11}NO_2$ MW 117.15 TYPE ANALYSIS: Assay (perchloric acid titration; on anhydrous substance) . . . . . 99% Melting-range (decomposition and sublimation) about 350° C Specific rotation ($[\alpha]_D^{20°}$; c = 5, 1N HCl) +24° to +26° Chloride (Cl) . . . . 0.005 % Sulfate (SO_4) . . . . 0.01 % Heavy metals (as Pb) 0.001 % Iron (Fe) . . . . . 0.001 % Ammonium (NH_4) . . 0.0005% Sulfated ash . . . . . 0.1 % Water (acc. to Karl Fischer) . . . 1 %	2	P	25 g 100 g 1 kg	9.25 28.50 price on application	
8496	L(+)**Valine methyl ester hydrochloride** for synthesis (LAB) $C_6H_{14}ClNO_2$ MW 167.64		P	5 g	10.50	
8498	**Vanadate-molybdate reagent** for determination of phosphate 1 l = 1.15 kg		P	500 ml	7.—	
	Vanadic anhydride see Vanadium(V) oxide					
825	**Vanadium(V) oxide** for determination of alcohol in blood V_2O_5 MW 181.88	1.3	P	100 g 250 g	10.— 23.50	
824	**Vanadium(V) oxide** extra pure V_2O_5 MW 181.88	1.3	P	100 g 250 g 1 kg	8.— 17.50 60.—	
823	**Vanadium(V) oxide** pure V_2O_5 MW 181.88	1.3	P P □	250 g 1 kg 25 kg	16.50 55.— price on application	
8505	**Vanadium(IV) oxide acetylacetonate** for synthesis (LAB) $C_{10}H_{14}O_5V$ MW 265.16	2		100 g 500 g	26.25 105.—	
8503	**Vanadium(IV) oxide sulfate** $VOSO_4 \cdot 5H_2O$ MW 253.08	1	P	100 g 250 g	11.75 26.25	
	Vanadium pentoxide see Vanadium(V) oxide					
	Vanadyl sulfate see Vanadium(IV) oxide sulfate					

		Volume		Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
				DM	DM
8517	**Vanillic acid** for synthesis (ORG) $C_8H_8O_4$ MW 168.15	2.5	50 g	15.50	
8510	**Vanillin** DAB 7, BP 1968, USP XVI $C_8H_8O_3$ MW 152.15	2	100 g 1 kg 5 kg	6.60 51.— 215.—	
8509	o-**Vanillin** for synthesis (ORG) $C_8H_8O_3$ MW 152.15		100 g	16.—	
	N-Vanillylpelargonamide see Pelargonic vanillylamide				
8506	**Variamine® blue** metal (pM) indicator	1.5	25 g	6.—	
8507	**Variamine® blue salt B** conc. (diazonium salt) for microscopy	1.5	5 g 25 g	3.25 5.50	
8525	**Veratraldehyde** for synthesis (ORG) $C_9H_{10}O_3$ MW 166.18	2	100 g	15.75	
8526	**Veratric acid** for synthesis (ORG) $C_9H_{10}O_4$ MW 182.18	2	100 g	18.50	
8530	**Veratrine** DAB 6	2	5 g 25 g 100 g	5.80 21.— 73.—	
8533	**Veratrinium sulfate** $C_{64}H_{100}N_2O_{22}S$ MW 1281.57	2	25 g 100 g	21.— 73.—	
8529	**Veratrole** for synthesis (ORG) $C_8H_{10}O_2$ MW 138.17 1 l = 1.06 kg		250 ml	10.—	
	Veratryl alcohol see 3,4-Dimethoxybenzyl alcohol				
8527	**Veratrylamine** for synthesis (ORG) $C_9H_{13}NO_2$ MW 167.21 1 l = 1.12 kg		10 ml	20.—	
1297	**Vesuvine** (C. I. No. 21 010, S. No. 318) for microscopy	1.5	25 g 100 g	3.75 6.—	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8539		**Victoria blue 4 R** (C. I. No. 42 563, S. No. 793) for microscopy	1.5		25 g 100 g	4.50 11.75	
		Victoria green see Malachite green					
3184	•I•	**Vinyl acetate** for synthesis (ORG) stabilised with 0.01% hydroquinone $C_4H_6O_2$ MW 86.09	1 l = 0.93 kg		1 l	8.25	
		Vinylacetic acid see 3-Butenoic acid					
8537		**9-Vinylanthracene** for synthesis (ORG) $C_{16}H_{12}$ MW 209.27			0.5 g	15.50	
8546	•I•	**Vinyl-*iso*-butylether** for synthesis (ORG) stabilised with 0.1% KOH pills $C_6H_{12}O$ MW 100.16	1 l = 0.76 kg		500 ml	10.50	
221	•I•	**Vinyl-2-ethylhexanoate** for synthesis (ORG) stabilised with 0.2% hydroquinone $C_{10}H_{18}O_2$ MW 170.25	1 l = 0.87 kg		250 ml	12.–	
		Vinylidene chloride see 1,1-Dichloroethylene					
8513	•I•	**4-Vinylpyridine** for synthesis (ORG) C_7H_7N MW 105.14	1 l = 0.98 kg		100 ml	11.25	
		1-Vinyl-2-pyrrolidinone see 1-Vinyl-2-pyrrolidone					
8518		**1-Vinyl-2-pyrrolidone** for synthesis (ORG) stabilised with 0.1% NaOH C_6H_9NO MW 111.14	1 l = 1.04 kg		250 ml	14.75	
		Vinyltriethoxysilane see Triethoxyvinylsilane					
9616		**Violuric acid** for chromatography $C_4H_3N_3O_4$ MW 157.09	1.7		5 g	5.25	

Vitamins and derivates

Vitamin A

Vitamin A acetate
Vitamin A palmitate

Vitamin B complex

Vitamin B_1

Cocarboxylase (chloride)
Cocarboxylase (tetrahydrate)
Thiamine disulfide
Thiaminium dichloride
Thiaminium mononitrate
Thiaminium phosphoric acid ester dichloride
Thiaminium phosphoric acid ester monochloride
Thiaminium phosphoric acid ester phosphate

Vitamin B_2

Riboflavine
Riboflavine 5′-phosphate sodium salt

Vitamin B_6

Pyridoxal hydrochloride
Pyridoxal 5′-phosphate
Pyridoxal 5′-phosphate monosodium salt
Pyridoxaminium dichloride
Pyridoxol
Pyridoxol hydrochloride
Pyridoxol phosphate
Pyridoxol sulfate
Pyridoxol trispalmitate

Vitamin B_{12} (cyanocobalamin)

Aquocobalamin acetate

Vitamin B_T

DL-Carnitinium chloride

D(+)**Biotin**

Folic acid

Nicotinic acid

Nicotinamide

Pantothenic acid

Calcium D(+)pantothenate
Sodium D(+)pantothenate

D(+)**Pantothenylalcohol**

Vitamin C

L(+)Ascorbic acid
L(+)Ascorbyl palmitate
Calcium L(+)ascorbate
Sodium L(+)ascorbate

Vitamin D

Vitamin D_2
Vitamin D_3
Vitamin D_3-cholesterol

Vitamin E

DL-α-Tocopherol
DL-α-Tocopherol acetate
DL-α-Tocopherol succinate

Vitamin H

D(+)Biotin

Vitamin H′

4-Aminobenzoic acid

Vitamin K_1

(2-Methyl-3-phytyl naphthoquinone-1,4)

Vitamin K_3

Menadione
Menadione sodium bisulfite

Vitamin K_4

1,4-Diacetoxy-2-methylnaphthalene

Vitamin K_5

1-Hydroxy-2-methylnaphtalene-4-ammonium chloride

Vitamin P-Faktor: Rutin

Rutin
Rutin water-soluble

Vitamin U

DL-S-Methylmethionine sulfonium chloride

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
500845	**Vitamin A** (retinol) water-soluble 1 ml = 100 000 I. U. 1 l = 1.05 kg		**aluminium bottle** **1 l** **5 l**		
501007	**Vitamin A** (retinol) water-soluble, only for animals for sc. and im. injection 1 l = 1.05 kg 1 ml = 100 000 I. U.		**100 ml** **1 l** minimum quantity per order 25 l		
501000	**Vitamin A** (retinol) water-soluble 1 g = 200 000 I. U.		**aluminium bottle** **1 kg** **5 kg**		
501287	**Vitamin A** dry powder, miscibil with water 1 g = 325 000 I. U.		**1 kg** **5 kg** **25 kg**		
500834	**Vitamin A** dry concentrate, feed grade 1 g = 50 000 I. U.	2	**5001/5 kg** **50 kg**	prices on application	
500833	**Vitamin A** dry concentrate, coated feed grade 1 g = 325 000 I. U.	1.5	**1001/1 kg** **5001/5 kg** **25 kg** **50 kg**		
501008	**Vitamin A** dry concentrate, coated feed grade 1 g = 500 000 I. U.	1	**1001/1 kg** **5001/5 kg** **25 kg** **50 kg**		
501293	**Vitamin A** dry concentrate, coated feed grade 1 g = 750 000 I. U.		**1001/1 kg** **5001/5 kg** **25 kg**		
8520	**Vitamin A acetate** (retinol acetate) oily concentrate for biochemistry (LAB) TYPE ANALYSIS: Assay . . . . 1 million I. U./g Acid value 2.5	1	**25 g**	7.50	
500989	**Vitamin A acetate** (retinol acetate) oily concentrate, DAB 7, USP XVII 1 g = 1 million I. U. Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1	**aluminium bottle** **100 g** **1 kg** **5 kg**	prices on application	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
500727	**Vitamin A acetate** (retinol acetate) cryst. 1 g = 2.8 millions I. U. Store in the refrigerator. Storage time to be kept to a minimum. Contents of opened containers will not keep. In view of the sensitiveness and restricted shelf-life of this product, no acknowledgement will be made of any complaint of any kind raised by our customers.	3	aluminium bottle 1 kg		
500723	**Vitamin A acetate** dry powder 1 g = 325 000 I. U.	1.5	100 g 1 kg 5 kg 25 kg		
500724	**Vitamin A acetate** dry powder 1 g = 500 000 I. U.	1.5	100 g 1 kg 5 kg 25 kg		
500988	**Vitamin A palmitate*** (retinol palmitate) oily concentrate DAB 7, USP XVII 1 g = 1 million I. U.	1	aluminium bottle 100 g 1 kg 5 kg		
500842	**Vitamin A palmitate*** (retinol palmitate) DAB 7, USP XVII 1 g = 1.7 millions I. U. * Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	1	aluminium bottle 100 g 1 kg 5 kg	prices on application	
500774	**Vitamin A + D_3** water-soluble 1 ml = 100 000 I. U. vitamin A 10 000 I. U. vitamin D_3 (irradiated 7-dehydrocholesterol) 1 l = 1.04 kg		aluminium bottle 1 l 5 l		
500775	**Vitamin A + D_3** water-soluble 1 ml = 100 000 I. U. vitamin A 20 000 I. U. vitamin D_3 (irradiated 7-dehydrocholesterol) 1 l = 1.04 kg		aluminium bottle 1 l 5 l		
500779	**Vitamin A + D_3** water-soluble 1 g = 200 000 I. U. vitamin A 40 000 I. U. vitamin D_3 (irradiated 7-dehydrocholesterol)	1	aluminium bottle 1 kg 5 kg		

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
500780		**Vitamin A + D_3** water-soluble 1 g = 250 000 I. U. vitamin A 125 000 I.U. vitamin D_3 (irradiated 7-dehydrocholesterol)	1	**aluminium bottle** **1 kg** **5 kg**		
501126		**Vitamin A + D_3** mixture type 325/65, feed grade 1 g = 325 000 I. U. vitamin A 65 000 I. U. vitamin D_3		**1 kg** **5 kg** **25 kg**		
501128		**Vitamin A + D_3** mixture type 325/110, feed grade 1 g = 325 000 I. U. vitamin A 110 000 I. U. vitamin D_3		**1 kg** **5 kg** **25 kg**		
501129		**Vitamin A + D_3** mixture type 500/100, feed grade 1 g = 500 000 I. U. vitamin A 100 000 I. U. vitamin D_3		**1 kg** **5 kg** **25 kg**		
500787	†	**Vitamin A + D_3** dry powder, feed grade 1 g = 50 000 I. U. vitamin A 5 000 I. U. vitamin D_3	2	**5 kg** **50 kg**	**prices on application**	
501663		**Vitamin A + D_3 + E** water-soluble 1 ml = 50 000 I. U. vitamin A 5 000 I. U. vitamin D_3 20 mg vitamin E acetate 1 l = 1.02 kg		**aluminium bottle** **1 l** **5 l**		
501658		**Vitamin A + D_3 + E** water-soluble 1 ml = 50 000 I. U. vitamin A 10 000 I. U. vitamin D_3 (irradiated 7-dehydrocholesterol) 20 mg vitamin E acetate 1 l = 1.02 kg		**aluminium bottle** **1 l** **5 l**		
500773		**Vitamin A + D_3 + E** water-soluble 1 ml = 50 000 I. U. vitamin A 25 000 I. U. vitamin D_3 (irradiated 7-dehydrocholesterol) 20 mg vitamin E acetate 1 l = 1.02 kg		**aluminium bottle** **1 l**		

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
501733	**Vitamin A + D_3 + E** water-soluble, only for animals for sc. and im. injection 1 ml = 50 000 I. U. vitamin A 25 000 I. U. vitamin D_3 20 mg vitamin E acetate 1 l = 1.02 kg		**100 ml** **1 l** minimum quantity per order 25 l		
501016	**Vitamin A + D_3 + E** in oily solution for cosmetic		**1 l**		
501015	**Vitamin A + D_3 + E-Biotine** in oily solution for cosmetic		**1 l**	**prices on application**	
501691	**Vitamin A + D_3 + E + C** water-soluble 1 ml = 50 000 I. U. vitamin A 5 000 I. U. vitamin D_3 30 mg vitamin E acetate 100 mg vitamin C 1 l = 1.02 kg		**aluminium bottle** **1 l**		
501734	**Vitamin A + D_3 + E + C** water-soluble, only for animals for sc. and im. injection 1 ml = 50 000 I. U. vitamin A 5 000 I. U. vitamin D_3 30 mg vitamin E acetate 100 mg vitamin C 1 l = 1.02 kg		**100 ml** **1 l** minimum quantity per order 25 l		
	Vitamin B_1 see Thiamine				
	Vitamin B_2 see Riboflavine				
	Vitamin B_6 see Pyridoxol				
	Vitamin B_T see DL-Carnitinium chloride				
8521	**Vitamin B_{12}** (cyanocobalamin) for biochemistry (LAB) $C_{63}H_{88}CoN_{14}O_{14}P$ MW 1355.40 TYPE ANALYSIS: Assay (on dried substance) . . . 95% Loss on drying (105° C, 5 nm) . . max. 12% Pseudo-cyanocobalamin passes test	3	**0.1 g**	6.75	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
500612	**Vitamin B_{12}** (cyanocobalamin) DAB 7, BP 1963, Cod Franç 1949 I. Suppl., USP XVII $C_{63}H_{88}CoN_{14}O_{14}P$ MW 1355.40 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	3	**0.5 g** **1 g** **5 g** **10 g**		
500619	**Vitamin B_{12}** trituration with mannitol, 0.1%	2	**100 g** **1 kg** **5 kg** **25 kg**		
501311	**Vitamin B_{12}** concentrate 0.1% for dry pharmaceutical preparations, spray-dried		**1 kg** **5 kg**	**prices on application**	
501312	**Vitamin B_{12}** concentrate 1% for dry pharmaceutical preparations, spray-dried		**500 g**		
501302	**Vitamin B_{12}** dry concentrate, feed grade (200 mg vitamin B_{12} activity/kg)	2	**5001/5 kg** **9051/50 kg**		
501308	**Vitamin B_{12}** dry concentrate, feed grade (500 mg Vitamin B_{12} activity/kg)	2	**5001/5 kg** **9051/50 kg**		
501314	**Vitamin B_{12}** dry concentrate, feed grade (1000 mg Vitamin B_{12} activity/kg)	0.7	**5001/5 kg** **9051/50 kg**		
	Vitamin C see L(+)Ascorbic acid				
8522	**Vitamin D_2** (calciferol) cryst. for biochemistry (LAB) $C_{28}H_{44}O$ MW 396.66 TYPE ANALYSIS: Assay . . . 40 millions I. U./g Specific rotation ($[\alpha]_D^{20°}$; c = 2 ethanol absolute) + 102.5 to + 107.0° UV absorption ($E_{1\,cm}^{1\,\%}$, λ = 265 mμ, cyclohexane) . . . . . 460 Melting-range . . . 115–118° C	3	**1 g**	5.25	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
500917	**Vitamin D_2** (calciferol) cryst. DAB 7, BP 1963, IP 1966 $C_{28}H_{44}O$ MW 396.66 1 g = 40 millions I. U. Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	3	**5 g** **10 g** **25 g** **100 g**	**prices on application**	
500686	**Vitamin D_2** water-soluble 1 l = 1.01 kg 1 ml = 100 000 I. U.		**aluminium bottle** **1 l** **5 l**		
8523	**Vitamin D_3** cryst. for biochemistry (LAB) $C_{27}H_{44}O$ MW 384.65 TYPE ANALYSIS: Assay . . . . 40 millions I. U/g Specific rotation ($[\alpha]_D^{25}$°; c = 2 ethanol absolute) + 105 to + 112° UV absorption ($E\ ^{1\%}_{1\ cm}$, λ = 265 mμ, ethanol absolute) . . . . . 450–490 Melting-range . . . . 84–88° C	3	**1 g**	11.50	
500936	**Vitamin D_3** cryst. USP XVI $C_{27}H_{44}O$ MW 384.65 1 g = 40 millions I. U. Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	3	**5 g** **10 g** **25 g** **100 g**	**prices on application**	
500698	**Vitamin D_3** water-soluble (vitamin D_3 cryst. USP XVI) 1 l = 1.00 kg 1 ml = 100 000 I. U.		**aluminium bottle** **1 l** **5 l**		
501558	**Vitamin D_3** water-soluble, only for animals for sc. and im. injection (vitamin D_3 cryst. USP XVI) 1 ml = 1 million I. U.		**100 ml** **1 l** minimum quantity per order 10 l		

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
500994	**Vitamin D_3** oily solution (irradiated 7-dehydrocholesterol) 1 g = 1 million I. U.	1	**aluminium bottle** **1 kg** **5 kg**		
500983	**Vitamin D_3** oily solution (irradiated 7-dehydrocholesterol) 1 g = 2 millions I. U.	1	**aluminium bottle** **1 kg** **5 kg**		
500982	**Vitamin D_3 with cholesterol** (cryst. molecular compound cholecalciferol-cholesterol DAB 7) $C_{27}H_{44}O \cdot C_{27}H_{46}O$ MW 771.32 1 g = 18 millions I. U. Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	7.5	**5 g** **25 g** **100 g**	**prices on application**	
501552	**Vitamin D_3** dry powder, pharmaceutical and food grade (vitamin D_3 cryst., USP XVI) 1 g = 80 000 I. U.		**1 kg** **5 kg** **25 kg**		
501572	**Vitamin D_3** dry powder miscibil with water 1 g = 400 000 I. U.		**1 kg** **5 kg** **25 kg**		
501567	**Vitamin D_3** dry concentrate 200, feed grade 1 g = 200 000 I. U. Vitamin D_3		**5 kg** **50 kg**		
501568	**Vitamin D_3** dry concentrate 400, feed grade 1 g = 400 000 I. U. Vitamin D_3		**5 kg** **25 kg**		

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
501570	**Vitamin D_3** dry concentrate, coated feed grade 1 g = 200 000 I. U.		5001/5 kg 9051/50 kg		
501571	**Vitamin D_3** dry concentrate, coated feed grade 1 g = 400 000 I. U.		5001/5 kg 25 kg		
500860	**Vitamin E** water-soluble 1 ml = 100 mg DL-α-Tocopherol acetate 1 l = 0.99 kg		aluminium bottle 1 l 5 l		
500862	**Vitamin E** water-soluble 1 ml = 500 mg DL-α-Tocopherol acetate 1 l = 1.02 kg		100 ml aluminium bottle 1 l 5 l		
500854	**Vitamin E** ready for pressing granulate (33% DL-α-Tocopherol acetate)	1.8	1 kg 5 kg 25 kg	prices on application	
501622	**Vitamin E** dry powder 20% miscibil with water		1 kg 5 kg 25 kg		
501618	**Vitamin E** dry powder 25%, coated, pharmaceutical and food grade	4	1 kg 5 kg 25 kg		
500858	**Vitamin E** dry powder 33%, pharmaceutical grade	2.8	1 kg 5 kg 25 kg		
500859	**Vitamin E** dry powder 50%, pharmaceutical grade	4.3	1 kg 5 kg 25 kg		
501609	**Vitamin E** dry concentrate, feed grade 25%	1.8	5001 5 kg 25 kg 50 kg		
501607	**Vitamin E** dry concentrate, feed grade 50%	2.5	5 kg 25 kg 50 kg		

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Vitamin E see also DL-α-Tocopherol				
	Vitamin H see D(+)Biotin				
	Vitamin H' see 4-Aminobenzoic acid				
501890	**Vitamin K_1** [2-methyl-3-phytyl-1,4-naphthoquinone] USP XVII $C_{31}H_{46}O_2$ MW 450.71 Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.	2	**1 g** **10 g** **100 g**	**prices on application**	
	Vitamin K_3 see Menadione				
	Vitamin K_4 diacetate see 1,4-Diacetoxy-2-methylnaphthalene				
	Vitamin K_5 see 1-Hydroxy-2-methylnaphthalene-4-ammonium chloride				
	Vitamin U see DL-S-Methylmethionine sulfonium chloride				
8007/0001	**Vitamins** reference substances for chromatography L(+)Ascorbic acid Nicotinamide Nicotinic acid Pyridoxol hydrochloride Rutin Thiaminium dichloride DL-α-Tocopherol DL-α-Tocopherol acetate Vitamin A acetate oily concentrate 1 g = 1 million I. U. Vitamin D_3 cryst. 1 g = 40 millions I. U.		**1 serie**	23.75	
	Volumetric solutions and Titrisols see page 801				
	Volumetric standards:				
	di-Arsenic trioxide Calcium carbonate Iron(III) oxide Potassium dichromate Potassium hydrogen carbonate Potassium hydrogen diiodate Silver nitrate Sodium carbonate anhydrous Sodium chlorate *di*-Sodium oxalate *di*-Sodium tartrate *di*-Sodium tetraborate				

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
1279	**Water blue** for bacteriology	1.3	25 g 100 g	5.— 13.75	
1282	**Water-blue metachrome-yellow lactose agar** acc. to Gassner for microbiology (77 g for 1 litre of culture medium)	1.7	77 g 500 g 10 x 500 g	5.50 33.— 22.—	
3641/0150	**Water detection paste N**		tube 150 g	5.80	
	Water-glass see Sodium silicate solution				
	Wax see Beeswax				
1913	**Weichselbaum's biuret reagent** for serum protein determination 1 l = 1.02 kg		500 ml 1 l	5.80 9.25	
	Weise's Buffer solution see Buffer solution acc. to Weise				
9036	**Weltmann's reagent** 1 l = 1.04 kg		100 ml	3.—	
	Westergren's solution see Sodium citrate solution				
	Widmark's solution see Alcohol stock solutions				
	Wieninger's reagent see Selenium mixture acc. to Wieninger				
	Wijs' solution see Iodine solution acc. to Wijs				
	Wintergreen oil synthetic see Methyl salicylate				
	Wolframosilicic acid see Tungstosilicic acid				
6001	**Wood's metal** melting-point about 75° C (LAB)	0.4	100 g 250 g 1 kg	11.— 25.— 87.50	
	Woodward's reagent K see 3-(2-Ethyl-5-isoxazolio)-benzenesulfonate				

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
5448	**Wort agar** for microbiology (50 g for 1 litre of culture medium)	2		50 g 500 g 10 x 500 g	5.25 32.50 30.50	
5449	**Wort broth** for microbiology (33 g for 1 litre of culture medium)	1.8		33 g 500 g 10 x 500 g	4.25 32.50 30.50	
9278	**Wright's eosin methylene blue** for microscopy	1.3		5 g 25 g	4.50 11.—	
1383	**Wright's eosin methylene blue solution** for microscopy 1 l = 0.80 kg			100 ml 500 ml 2½ l	3.— 5.25 18.50	
2024	**Wunderly's reagent** 1 l = 1.00 kg		P	100 ml 500 ml	3.15 6.80	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8675	**Xanthine** for biochemistry (LAB) $C_5H_4N_4O_2$ MW 152.11 TYPE ANALYSIS: Assay (ex N) . . . . . 98 % Loss on drying (105°C) . 2 % Sulfated ash 0.5%	1.8	5 g 100 g	5.50 71.—	
8669	**Xanthone** for synthesis (LAB) $C_{13}H_8O_2$ MW 196.21	4	25 g	16.25	
8668	**Xanthosine** for biochemistry (LAB) $C_{10}H_{12}N_4O_6$ MW 284.23	5	5 g	14.75	
8696 •|•	**Xanthydrol** about 10% in methanol for determination of blood urea $C_{13}H_{10}O_2$ MW 198.22 1 l = 0.85 kg CERTIFICATE OF GUARANTEE: Assay (gravimetric determination as dixanthydrol urea) . . . . . about 10 % Heavy metals (as Pb) . . . . max. 0.001% Iron (Fe) . . . . max. 0.001% Sulfated ash . . . max. 0.1 %		10 ml 50 ml (5 x 10 ml)	5.25 21.—	
8686 •|•	**Xylene** (LAB) C_8H_{10} MW 106.17 1 l = 0.86 kg TYPE ANALYSIS: Assay (sum of o-, m- and p-xylene) . . . . 90% Ethylbenzene (C_8H_{10}) . . 5 % Toluene (C_7H_8) . . . . . 5 % d 20°/4° . . . . . 0.860–0.865 Refractive index ($n_D^{20°}$) . . . . . 1.493–1.497 Boiling-range . . . 137–140° C Non-volatile substances 0.001% Water (acc. to Karl Fischer) 0.02%		1 l 2½ l standard box 15 x 1 l 8 x 15 x 1 l 8 x 2½ l 8 x 8 x 2½ l	6.— 12.50 1 l 5.60 1 l 5.40 2½ l 11.75 2½ l 11.25	
8683 •|•	**Xylene Selectipur®** C_8H_{10} MW 106.17 1 l = 0.86 kg		2.5 l	price on application	
8687 •|•	**Xylene** scintillation grade C_8H_{10} MW 106.17 1 l = 0.86 kg		250 ml 1 l	10.— 31.50	

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8685	•I•	**Xylene** Erg B 6 C_8H_{10} MW 106.17	1 l = 0.86 kg	1 l 2½ l standard box 15 x 1 l 8 x 15 x 1 l 8 x 2½ l 8 x 8 x 2½ l 50 kg	4.50 9.— 1 l 4.25 1 l 4.10 2½ l 8.50 2½ l 8.25	2.25
9798	•I•	*o*-**Xylene** reference substance for gas chromatography C_8H_{10} MW 106.17		5 ml	21.—	
8697	•I•	*o*-**Xylene** for synthesis (LAB) C_8H_{10} MW 106.17	1 l = 0.88 kg	500 ml aluminium bottle 1¼ l	6.80 14.50	
9797	•I•	*m*-**Xylene** reference substance for gas chromatography C_8H_{10} MW 106.17		5 ml	21.—	
8688	•I•	*m*-**Xylene** extra pure C_8H_{10} MW 106.17	1 l = 0.86 kg	500 ml aluminium bottle 1¼ l standard box 8 x 1¼ l 2½ l	6.80 14.50 23.25	
9799	•I•	*p*-**Xylene** reference substance for gas chromatography C_8H_{10} MW 106.17		5 ml	21.—	
8691	•I•	*p*-**Xylene** for synthesis (LAB) C_8H_{10} MW 106.17	1 l = 0.86 kg	500 ml aluminium bottle 1¼ l 2½ l	5.80 12.— 21.—	
		p-Xylene chloride see 1,4-Bis(chloromethyl)-benzene				
		Xylenol see Dimethylphenol				
8682		*p*-**Xylenol blue** indicator $C_{23}H_{22}O_5S$ MW 410.49 acidic range pH 1.2–2.8 red to yellow alkaline range pH 8.0–9.6 yellow to blue	5	1 g	5.25	
8677		**Xylenol orange tetrasodium salt** metal (pM) indicator	3	1 g 5 g	8.— 29.50	
		Xylenolphthalein-bis(iminodiacetic acid) see Phthalein purple				

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Xylidine see Dimethylaniline					
	Xylidyl blue reagent see Magnesium reagent					
8666	**Xylitol** for biochemistry (LAB) $C_5H_{12}O_5$ MW 152.15	2	P	25 g	10.50	
8689	D(+)**Xylose** for biochemistry (LAB) $C_5H_{10}O_5$ MW 150.13 TYPE ANALYSIS: Assay (dichromate method) . . . . . 99% Specific rotation ($[\alpha]_D^{20°}$; c = 5, water) +18.5° to +19.5° Melting-range . . . 144–148° C Chloride (Cl) . . . 0.001% Sulfate (SO_4) . . . . . 0.005% Heavy metals (as Pb) . 0.001% Iron (Fe) . . . . . 0.001% Calcium (Ca) . . . . . 0.01 % Loss on drying (105°C) 0.3 % Sulfated ash . . . . . 0.1 %	1.7	P	25 g 100 g	7.60 23.25	
8692	D(+)**Xylose** $C_5H_{10}O_5$ MW 150.13	1.7	P	100 g 1 kg	10.— 75.—	
	see also Carbohydrate test leaflets					

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
	Yeast extract see Extract of yeast					
3751	**Yeast** medicinal, dried, powder DAB 6	1.4		500 g 1 kg 5 kg	12.75 23.25 100.—	
4243	**Yellowish orange S** (C. I. No. 15985) food dye E 110 $C_{16}H_{10}N_2Na_2O_7S_2$ MW 452.37	2		100 g	7.50	
	δ-Yohimbine see Ajmalicine					
8711	**Yohimbine** pure $C_{21}H_{26}N_2O_3$ MW 354.45	2.5	P	100 g		
8710	**Yohimbinium chloride** $C_{21}H_{27}ClN_2O_3$ MW 390.91	2	P	5 g 25 g 100 g		
8703	**Yohimbinium chloride*** BPC 1949, Cod Franç 1949, $C_{21}H_{27}ClN_2O_3$ MW 390.91	3	P	5 g 25 g 100 g	prices on application	
8700	**Yohimbinium chloride*** DAB 6 $C_{21}H_{27}ClN_2O_3$ MW 390.91	3	P	5 g 25 g 100 g		
449850	**Yohimbinium chloride** tablets 0.005 g			100 glass tubes of 10 tablets	79.—	
8721	**Yttrium chloride** carrier substance for determination of isotopes $YCl_3 \cdot 6H_2O$ MW 303.36	1.1		5 g 50 g	10.50 84.—	

* Due to its purity determined by chemical analysis, the substance is suited for all pharmaceutical purposes. For the preparation of injections and infusions, however, the pharmacopoeial specifications should be observed.

CERTIFICATE OF GUARANTEE:

Assay of $YCl_3 \cdot 6H_2O$	min. 99 %	Iron (Fe)	max. 0.0005%
Substances insoluble in water	max. 0.005 %	Cerium (Ce)	max. 0.1 %
Sulfate (SO_4)	max. 0.05 %	Lanthanum (La)	max. 0.25 %
Heavy metals (as Pb)	max. 0.001 %	Calcium (Ca)	max. 0.05 %
		Sodium (Na)	max. 0.005 %
		Potassium (K)	max. 0.005 %

			Volume		Standard packages fob incl. all packing Prices per container	Bulk packages fob incl. packing Prices per kg
					DM	DM
9215		**Ziehl-Neelsen carbol-fuchsin solution** for microscopy 1 l = 0.99 kg		100 ml 500 ml 2½ l	3.25 5.25 19.50	
8756	•I•	**Zinc** coarse powder GR (for filling reductors) Zn AW 65.37 CERTIFICATE OF GUARANTEE: Assay of Zn . . min. 99.9 % Lead (Pb) . . . max. 0.005 % Copper (Cu) . . . max. 0.001 % Cadmium (Cd) . max. 0.0005 % Tin (Sn) . . . . max. 0.001 % Iron (Fe) . . . max. 0.002 % Arsenic (As) . . max. 0.00001%	0.35	250 g 500 g 1 kg	7.60 12.75 23.75	
8764		**Zinc** filings Zn AW 65.37 TYPE ANALYSIS: Assay of Zn . . . . . 99.9 % Lead (Pb) . . . . . 0.02 % Cadmium (Cd) . . . 0.001 % Tin (Sn) . . . . . 0.001 % Iron (Fe) . . . . . 0.005 % Arsenic (As) 0.00002%	4	500 g 1 kg 5 kg 25 kg	6.60 11.— 42.—	6.60
8780		**Zinc** granular GR Zn AW 65.37 CERTIFICATE OF GUARANTEE: Assay of Zn . . min. 99.9 % Lead (Pb) . . . max. 0.005 % Tin (Sn) . . . . max. 0.001 % Copper (Cu) . . max. 0.001 % Iron (Fe) . . . . max. 0.002 % Cadmium (Cd) . max. 0.0005 % Arsenic (As) . max. 0.00001 %	0.3	250 g 1 kg	4.75 11.50	
8755		**Zinc** granular extra pure Zn AW 65.37	0.3	500 g 1 kg 5 kg 25 kg	5.50 9.50 38.25	6.60
8789	•I•	**Zinc** powder GR Zn AW 65.37 CERTIFICATE OF GUARANTEE: Assay of Zn . . . min. 98% Lead (Pb) . . . . max. 0.5 % Copper (Cu) . . . max. 0.005% Cadmium (Cd) . max. 0.05 % Tin (Sn) . . . . . max. 0.001 % Iron (Fe) . . . . max. 0.005 % Arsenic (As) . . max. 0.0001%	0.35	250 g 1 kg 5 kg	4.50 10.— 42	
8774	•I•	**Zinc** powder Zn AW 65.37	0.45	1 kg 5 kg 50 kg	6.80 24.75	3.95

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8781	**Zinc** rods 8 mm GR Zn AW 65.37	0.4	P 250 g 1 kg	6.30 18.—	
	CERTIFICATE OF GUARANTEE: Assay of Zn . . min. 99.9 % Lead (Pb) . . . max. 0.005 % Copper (Cu) . . max. 0.001 % Cadmium (Cd) . max. 0.0005 % Tin (Sn) . . . . max. 0.001 % Iron (Fe) . . . max. 0.005 % Arsenic (As) . . max. 0.00001%				
8802	**Zinc acetate** GR $(CH_3COO)_2Zn \cdot 2\,H_2O$ MW 219.49	1.2	P 250 g 500 g 1 kg 50 kg	5.· 8.20 14.25	10.30
	CERTIFICATE OF GUARANTEE: Assay of $(CH_3COO)_2Zn \cdot 2\,H_2O$ . . . . min. 99.5% Chloride (Cl) . max. 0.0005 % Sulfate (SO_4) . max. 0.005 % Total nitrogen (N) max. 0.001 % Lead (Pb) . . . max. 0.0005 % Copper (Cu) . . max. 0.0005 % Cadmium (Cd) . max. 0.0005 % Manganese (Mn) max. 0.0005 % Iron (Fe) . . . . max. 0.0005 % Arsenic (As) . max. 0.00005% Magnesium (Mg) max. 0.0005 % Calcium (Ca) . max. 0.001 % Sodium (Na) . . max. 0.001 % Potassium (K) . max. 0.001 %				
8800	**Zinc acetate** pure Erg B 6 $(CH_3COO)_2Zn \cdot 2\,H_2O$ MW 219.49	1.4	P 500 g 1 kg 5 kg 50 kg	4.75 7.40 27.25	4.20
8803	**Zinc(II) acetylacetonate** for synthesis (LAB) $C_{10}H_{14}O_4Zn$ MW 263.59	3	100 g 500 g	26.25 105.—	
	Zinc carbonate basic see Zinc hydroxide carbonate				
8816 •I•	**Zinc chloride** dry GR $ZnCl_2$ MW 136.28	0.8	P 250 g 500 g 1 kg 5 kg	4 .50 7.— 12.75 54.—	
	CERTIFICATE OF GUARANTEE: Assay of $ZnCl_2$. min. 98% Assay of oxide chloride (as ZnO) . . . max. 1.2 % Sulfate (SO_4) . . max. 0.002 % Total nitrogen (N) max. 0.002 % Lead (Pb) . . . max. 0.001 % Copper (Cu) . . max. 0.001 % Cadmium (Cd) . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Magnesium (Mg) max. 0.001 % Calcium (Ca) . . max. 0.001 % Sodium (Na) . . max. 0.001 % Potassium (K) . . max. 0.001 %				
8815 •I•	**Zinc chloride** dry extra pure DAB 6, JP VI, NF XI $ZnCl_2$ MW 136.28	0.9	P 500 g 1 kg 5 kg 50 kg	6.30 10.50 42.—	6.40

			Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8813	•I•	**Zinc chloride** dry pure $ZnCl_2$ MW 136.28	0.8	P 500 g 1 kg 5 kg 9051/50 kg	5.— 8.50 31.50	4.65
8811	•I• †	**Zinc chloride** sticks fused pure BPC 1968, NF XI $ZnCl_2$ MW 136.28	0.6	500 g	12.25	
8810		**Zinc chloride** technical $ZnCl_2$ MW 136.28	0.8	P 1 kg 5 kg 9051/50 kg	7.50 27.25	3.45
9276		**Zinc chloride-iodine solution** (LAB) DAB 6		[illegible]	[illegible]	
8823		**Zinc cyanide** 55–56% Zn TYPE ANALYSIS: Assay of Zn . . . . . 55 % Lead (Pb) . . . . . 0.003% Iron (Fe) . . . . . 0.01 %	4	P 500 g 1 kg 50 kg	8.50 14.75 price on application	
		Zinc dust see Zinc powder, page 767				
8808		**Zinc hydroxide carbonate** pure (zinc carbonate basic)	2.7	500 g 1 kg 5 kg 25 kg	5.25 9.— 34.25	5.10
8807		**Zinc hydroxide carbonate** (zinc carbonate basic)	2.7	P 5 kg 25 kg	30.50	4.55
[illegible]		Zinc iodide GR ZnI_2 MW 319.18 CERTIFICATE OF GUARANTEE: Assay of ZnI_2 . . min. 98.5% Chloride (Cl) . . max. 0.01 % Sulfate (SO_4) . max. 0.005 % Lead (Pb) . . . max. 0.001 % Copper (Cu) . . max. 0.001 % Cadmium (Cd) . max. 0.005 % Iron (Fe) . . . max. 0.001 % Arsenic (As) . . max. 0.00005% Substances not precipitated by ammonium sulfide (as sulfates) . max. 0.1 % Loss on drying . max. 1.5 %	0.6	25 g 100 g	[illegible] 23.25	
5445	*	Zinc iodide-starch solution GR 1 l = 1.02 kg		250 ml 1 l	4.25 7.50	

			Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8836	○	**Zinc nitrate 6-hydrate** cryst. pure $Zn(NO_3)_2 \cdot 6\,H_2O$ MW 297.47	1.3	P	1 kg	8.25	
					5 kg	31.50	
					50 kg		4.30
8833		**Zinc nitrate 4-hydrate** GR $Zn(NO_3)_2 \cdot 4\,H_2O$ MW 261.44	1.3		250 g	5.80	
					1 kg	14.25	
		CERTIFICATE OF GUARANTEE: Assay of $Zn(NO_3)_2 \cdot 4\,H_2O$ min. 99% Chloride (Cl) . . max. 0.001 % Sulfate (SO_4) . . max. 0.005 % Lead (Pb) . . . . max. 0.002 % Copper (Cu) . . max. 0.0005% Nickel (Ni) . . . max. 0.0005% Iron (Fe) . . . . max. 0.0005% Manganese (Mn) max. 0.001 % Cadmium (Cd) . max. 0.0005% Magnesium (Mg) max. 0.001 % Calcium (Ca) . . max. 0.001 % Sodium (Na) . . max. 0.001 % Potassium (K) . . max. 0.001 %					
8834		**Zinc nitrate 4-hydrate** cryst. extra pure $Zn(NO_3)_2 \cdot 4\,H_2O$ MW 261.44	1.3		1 kg	12.75	
					5 kg	52.—	
					50 kg		7.20
8739		**Zincon** (2-{[α-(2-hydroxy-5-sulfophenylazo)-benzylidene]-hydrazino}-benzoic acid monosodium salt) for photometric determination of copper and zinc $C_{20}H_{15}N_4NaO_6S \cdot H_2O$ MW 480.43	1.4		1 g	8.—	
					5 g	27.25	
8849		**Zinc oxide** GR ZnO MW 81.37	2.2	P	500 g	6.30	
					1 kg	11.50	
					5 kg	46.25	
					50 kg		6.95
		CERTIFICATE OF GUARANTEE: Assay of ZnO . . min. 99% Substances insoluble in diluted sulfuric acid . max. 0.01 % Chloride (Cl) . . max. 0.001 % Sulfate (SO_4) . max. 0.01 % Phosphate (PO_4) max. 0.0005 % Total nitrogen (N) max. 0.001 % Lead (Pb) . . . max. 0.005 % Copper (Cu) . . max. 0.0005 % Cadmium (Cd) . max. 0.0005 % Iron (Fe) . . . max. 0.0005 % Manganese (Mn) max. 0.0005 % Calcium (Ca) . . max. 0.001 % Arsenic (As) . . max. 0.00005% Substances reducing $KMnO_4$ (as Fe) . . . max. 0.005 %					
8846		**Zinc oxide** extra pure DAB 7, BP 1968, Cod Franç 1965, USP XVII ZnO MW 81.37	2		1 kg	8.—	
					5 kg	29.—	
					9051/50 kg		5.—

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8844	**Zinc oxide** pure (indifferent to potassium permanganate) ZnO MW 81.37	1.7		1 kg 5 kg 9051/50 kg	7.50 28.—	4.75
8840	**Zinc oxide** crude dry treatment manufacture DAB 6 ZnO MW 81.37	1.7		1 kg 5 kg 9051/50 kg	6.30 24.25	3.70
	Zinc potassium-sodium cyanide see Potassium zinc cyanide					
	Zinc powder see page 767					
8872	**Zinc selenide Suprapur**® ZnSe MW 144.33 CERTIFICATE OF GUARANTEE: Copper (Cu) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm) Nickel (Ni) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Cobalt (Co) . . . . . max. $5 \cdot 10^{-6}$ % (0.05 ppm) Iron (Fe) . . . . . max. $5 \cdot 10^{-5}$ % (0.5 ppm)	1		50 g 500 g	100.— 900.—	
8871	**Zinc selenide** powder **Patinal**® particle size less than 0.3 mm ZnSe MW 144.33	1	P	100 g 1 kg	190.— price on application	
8873	**Zinc selenite** about 40–41% Se, technical $ZnSeO_3$ MW 192.33	0.8		1 kg 5 kg 25 kg	160.— 725.— price on application	
8865	**Zinc stearate** $C_{36}H_{70}O_4Zn$ MW 632.33	8	P	1 kg 5 kg 15 kg	7.60 30.—	4.45
8883	**Zinc sulfate** GR $ZnSO_4 \cdot 7\,H_2O$ MW 287.54 CERTIFICATE OF GUARANTEE: Assay of $ZnSO_4 \cdot 7\,H_2O$ min. 99.5% pH (5% solution) 4.4–6.0 Chloride (Cl) max. 0.0005 % Total nitrogen (N) max. 0.002 % Lead (Pb) . . . max. 0.001 % Copper (Cu) . . max. 0.0005 % Cadmium (Cd) . max. 0.0005 % Iron (Fe) . . . max. 0.0005 % Manganese (Mn) max. 0.0003 % Arsenic (As) . . max. 0.00005% Magnesium (Mg) max. 0.001 % Calcium (Ca) . . max. 0.001 % Sodium (Na) . . max. 0.001 % Potassium (K) . max. 0.001 %	0.9	P	500 g 1 kg 5 kg	6.30 10. 41.—	

		Volume		Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8881	**Zinc sulfate** cryst. extra pure DAB 7, BP 1968, Cod Franç 1965, USP XVII $ZnSO_4 \cdot 7\,H_2O$ MW 287.54	0.8	1 kg 5 kg 9051/50 kg	5.25 18.50	 2.90
8882	**Zinc sulfate** dry extra pure Erg B 6 $ZnSO_4 \cdot H_2O$ MW 179.45	1.1	1 kg 5 kg 9051/50 kg	8.— 30.50	 4.70
9991 0001	0.1 M Zinc sulfate solution Titrisol® (DBP No. 971376) concentrated solution for preparation of 1 litre of 0.1 M solution		ampoule	4.75	
	Zinc sulfate sodium chloride solution see Hagedorn-Jensen's solutions				
8886	**Zinc sulfide** powder **Patinal**® particle size less than 1 mm ZnS MW 97.43		100 g 1 kg	65.— price on application	
8885	**Zinc sulfide** tablets **Patinal**® one tablet about 1 g ZnS MW 97.43		100 g 1 kg	69.— price on application	
8414	Zinc Titriplex® (ethylenediaminetetraacetic acid disodium zinc salt) GR $C_{10}H_{12}N_2Na_2O_8Zn \cdot 4\,H_2O$ MW 471.63	2	25 g 100 g	4.50 11.—	
8887	**Zinc undecylenate** $C_{22}H_{38}O_4Zn$ MW 431.92	3.3	100 g 1 kg	5.— 26.25	
8915	**Zirconium(IV) acetylacetonate** for synthesis (LAB) $C_{20}H_{28}O_8Zr$ MW 487.66	1.5	100 g 500 g	19.50 84.—	
8914	**Zirconium(IV) oxide** anhydrous ZrO_2 MW 123.22	0.65	250 g 1 kg	6.30 19.50	

		Volume			Standard packages fob incl. all packing Prices per container DM	Bulk packages fob incl. packing Prices per kg DM
8916	**Zirconium(IV) oxide** tablets **Patinal**® one tablet about 1 g			**100 g** **1 kg**	100.— **price on application**	
8917	**Zirconium(IV) oxide chloride** GR $ZrOCl_2 \cdot 8\,H_2O$ MW 322.25 CERTIFICATE OF GUARANTEE: Assay of $ZrOCl_2 \cdot 8\,H_2O$. min. 99% Sulfate (SO_4) . . max. 0.005% Heavy metals (as Pb) . . . . max. 0.001% Iron (Fe) . . . . max. 0.001% Titanium (Ti) . . . max. 0.005%	1.3	F	25 g 100 g	5.30 14.75	

Zirconyl chloride see Zirconium(IV) oxide chloride

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Indicators, indicator papers and reagent papers 805 – 807 3
pH Indicators · Indicators for nonaqueous titrations · Adsorption indicators · Oxidation and reduction indicators · Indicator strips and Indicator papers · Reagent papers

Buffer substances, buffer solutions and buffer Titrisols 809 – 810 4

Uvasols for spectroscopy, deuterated compounds and scintillation chemicals 811 – 814 5

Preparations for chromatography 815 – 822 6
Adsorbents and supports for thin layer, preparative layer and column chromatography · Auxiliary materials · Pre-coated TLC and PLC plates, TLC aluminium sheets and rolls, TLC plastic sheets · Solvents and impregnating agents · Ready for use spray reagents · Reference substances for chromatography · Preparations for gas chromatography

Preparations for synthesis 823 – 844 7
Synthesis adjuvants (LAB) · Starting products and intermediates (ORG)

Biochemicals and derivatives 845 – 854 8
Amino acids and derivatives · Enzymes, coenzymes · Enzyme substrates · Carbohydrates and derivatives · Nucleosides, nucleotides, nucleobases · Fatty acids and fatty acid methyl esters · Steroids · Vitamins · Other biochemicals

Reagents for clinical tests 855 – 858 9
Merckotest reagent kits · Merck-1-Test reagent kits · In vivo diagnostic aids · Special reagent solutions and formulations for clinical tests

Preparations for microbiology 859 – 870 10
Culture media · Bases for culture media · Other preparations for microbiology

Preparations for microscopy 871 – 875 11

Laboratory accessories and sundry materials 877 12

1. Reagents for analysis

I. Guaranteed Reagents

Item No.

11 Acetanilide standard for elementary analysis
65 Acetic acid 5%
66 Acetic acid 10%
90062 Acetic acid glacial min. 96% GR
90063 Acetic acid glacial 100% indifferent to chromic acid GR
42 Acetic anhydride GR
14 Acetone GR
12 Acetone for pesticide residue analysis
17 Acetonitrile for pesticide residue analysis
9600 Acetylacetone GR
39 Acetyl bromide for humus test
31 Acetyl chloride GR
Alcohol stock solutions for the determination of alcohol in blood acc. to Widmark
1016 Alizarin GR
1010 Alizarin-3-methylamine-*N,N*-diacetic acid for spectrophotometric determination of fluoride
6279 Alizarinsulfonic acid sodium salt GR
1269 Alkali blue for determination of acid and saponification values of lubricants
1271 Alkali blue indicator
1057 Aluminium foil GR
1063 Aluminium nitrate GR
1167 Amido black 10 B for electrophoresis
1166 Amido black 10 B for analysis of milk
103 Amidosulfonic acid GR
8008/8009 Amino acids-analysis acc. to Stein and Moore Reagent kits I/II

Item No.

174 2-Aminobenzenearsonic acid standard for elementary analysis
100 2-Aminobenzoic acid GR
99 1-Amino-2-hydroxynaphthalene-4-sulfonic acid for the determination of phosphorus
5423 Ammonia solution about 10% GR
5432 Ammonia solution min. 25% GR
1116 Ammonium acetate GR
1031 Ammonium aluminium sulfate 12-hydrate GR
1220 Ammonium amidosulfonate GR
1134 Ammonium carbamate GR
2276 Ammonium cerium(IV) nitrate GR
2273 Ammonium cerium(IV) sulfate GR
1145 Ammonium chloride GR
1151 Ammonium chromate GR
1119 Ammonium dichromate GR
1126 Ammonium dihydrogen phosphate GR
1164 Ammonium fluoride GR
1182 Ammonium heptamolybdate GR
1154 *di*-Ammonium hydrogen citrate GR
1207 *di*-Ammonium hydrogen phosphate GR
1173 Ammonium iodide GR
3793 Ammonium iron(II) sulfate (max. 0.002% Mn) GR
3792 Ammonium iron(II) sulfate GR
3776 Ammonium iron(III) sulfate GR
1226 Ammonium monovanadate GR
1188 Ammonium nitrate GR
1192 Ammonium oxalate GR
1201 Ammonium peroxodisulfate GR

Item No.	
1217	Ammonium sulfate GR
5442	Ammonium sulfide solution GR
1213	Ammonium thiocyanate GR
1230	*n*-Amyl acetate GR
975	*n*-Amyl alcohol GR
979	*iso*-Amyl alcohol GR
978	*iso*-Amyl alcohol for determination of fat acc. to Gerber
1261	Aniline GR
1455	Anthracene standard for elementary analysis
6273	Anthraquinone-2-sulfonic acid sodium salt GR
1468	Anthrone GR
7832	Antimony GR
7838	Antimony(III) chloride GR
7837	Antimony(V) chloride
7836	Antimony(III) oxide GR
115	Arsenic GR
114	*di*-Arsenic pentoxide hydrate GR
119	*di*-Arsenic trioxide resublimed GR
120	*di*-Arsenic trioxide resublimed GR volumetric standard
127	L(+)Ascorbic acid GR
128	Aurin tricarboxylic acid ammonium salt GR
1591	Azobenzene standard for elementary analysis
276	Barbital GR
6318	Barbital sodium GR
1704	Barium acetate GR
1714	Barium carbonate GR
1719	Barium chloride GR
1737	Barium hydroxide GR
1729	Barium nitrate GR
1738	Barium perchlorate anhydrous GR
1748	Barium sulfate for primary-white standard
1648	Bathocuproine GR
1654	Bathocuproinedisulfonic acid disodium salt GR
1642	Bathophenanthroline GR
1650	Bathophenanthrolinedisulfonic acid disodium salt GR
1792	Benzene for pesticide residue analysis
1780	Benzene dried GR
1783	Benzene crystallisable GR
1762	Benzidine GR
1763	Benzidine for detection of blood
1764	Benzidine tablets for detection of blood
1761	Benzidinium chloride GR
136	Benzoic acid GR
135	Benzoic acid GR volumetric standard
134	Benzoic acid standard for elementary analysis
1778	Benzoin-α-oxime GR
6216	Benzo[f]quinoline GR
1844	*N*-Benzolyl-*N*-phenylhydroxylamine GR
9626	Benzyl alcohol GR
1837	Bilirubin GR
2962	Biphenylsodium in ethylene glycol dimethyl ether GR
3098	2,2'-Bipyridine GR
2955	2,2'-Biquinoline GR
1878	Bismuth(III) nitrate basic GR
3106	Bismuthiol I dipotassium salt GR
165	Boric acid cryst. GR
163	*di*-Boron trioxide anhydrous fine-granular for analysis of silicates
1948	Bromine GR
1599	4-Bromoaniline GR
1927	Bromopyrogallol red GR
1952	Brucine GR
1990	1-Butanol GR
9630	2-Butanol GR
984	*iso*-Butanol GR
9629	*tert*-Butanol GR
9652	*n*-Butyl acetate GR
4795	Cacotheline GR
2004	Cadmium granular GR
2001	Cadmium coarse powder (for filling reductors)

Item No.	
2003	Cadmium acetate GR
2019	Cadmium nitrate 4-hydrate GR
2027	Cadmium sulfate GR
2315	Calcein metal indicator
9325	Calcium acetate dried for soil tests
2060	Calcium carbonate precipitated GR volumetric standard
2066	Calcium carbonate precipitated GR
2067	Calcium carbonate precipitated, for analysis of silicates
2382	Calcium chloride 2-hydrate cryst. GR
2083	Calcium chloride fused granular for elementary analysis
2389	Calcium chloride medium-granular for drying
2047	Calcium hydroxide GR
2103	Calcium lactate for soil tests
2121	Calcium nitrate GR
2161	Calcium sulfate precipitated GR
4594	Calcon® metal (pM) indicator
4595	Calconcarboxylic acid metal (pM) indicator
2214	Carbon disulfide GR
2208	Carbon tetrachloride (for determinations with dithizone) GR
2222	Carbon tetrachloride GR
211	Carminic acid GR
2270	Cerium(III) chloride GR
2263	Cerium(IV) oxide 1–2 mm for elementary analysis
2274	Cerium(IV) sulfate GR
2038	Cesium chloride GR
2862	Cesium sulfate GR
2342	*N*-Cetyl-*N*,*N*,*N*-trimethylammonium bromide GR
2186	Charcoal activated GR
2426	Chloramine T GR
2362	Chloranilic acid GR
2363	Chloranilic acid barium salt GR
2364	Chloranilic acid mercury(II) salt for photometric determination of chloride
2450	2-Chlorobenzaldehyde for determination of sorbitol
2427	1-Chloro-2,4-dinitrobenzene GR
2429	1-Chloro-2,4-dinitrobenzene standard for elementary analysis
2302	2-Chloro-3,5-dinitropyridine GR
2442	Chloroform (for determinations with dithizone) GR
2445	Chloroform GR
2477	Chromazurol S metal (pM) indicator
2481	Chromium(III) nitrate GR
229	Chromium(VI) oxide GR
2498	Chromotropic acid sodium salt GR
2507	Cinchoninium chloride GR
244	Citric acid GR
2529	Cobalt(II) acetate GR
2539	Cobalt(II) chloride GR
2554	Cobalt(II) nitrate (max. 0.001% Ni) GR
2536	Cobalt(II) nitrate GR
2544	Cobalt oxide GR
2556	Cobalt(II) sulfate GR
2599	Colaminphenolphthalein phosphate for determination of phosphatase
2635	2,4,6-Collidine GR
2703	Copper powder GR
2701	Copper wire for elementary analysis
2711	Copper(II) acetate GR
2739	Copper(I) chloride GR
2733	Copper(II) chloride GR
2753	Copper(II) nitrate GR
2767	Copper oxide wire for elementary analysis
2765	Copper oxide wire fine for elementary analysis
2764	Copper(II) oxide granular for elementary analysis
2768	Copper(II) oxide granular GR
2766	Copper(II) oxide powder GR
2790	Copper(II) sulfate GR
2791	Copper(II) sulfate anhydrous GR
5208	Creatinine for determination of creatinine in blood
5227	Cupferron GR
9666	Cyclohexane GR

Item No.	
5341	Devarda's alloy powder GR
2918	Diacetyl monoxime GR
2935	3,3'-Diammoniobenzidinium tetrachloride GR
2953	o-Dianisidine GR
2897	1,1'-Dianthrimide (reagent for boron)
3460	*N,N*-Dibenzyldithiocarbamic acid zinc salt GR
3035	2,6-Dibromoquinone chlorimide GR
2930	1,2-Dichlorobenzene extraction solvent, analytical grade
6050	Dichloromethane GR
3028	2,6-Dichlorophenolindophenol sodium salt dihydrate GR
3037	2,6-Dichloroquinone chlorimide GR
3408	Diethylammonium *N,N*-diethyldithiocarbamate GR
3016	*N,N*-Diethylaniline GR
921	Diethyl ether GR
929	Diethyl ether dried (max. 0,01% water) GR
931	Diethyl ether for pesticide residue analysis
3121	*N,N*-Diethyl-*p*-phenylenediamine sulfate GR
6013	Dimedone GR
3058	4-Dimethylaminobenzaldehyde GR
3059	5-(4-Dimethylaminobenzylidene)-rhodanine GR
3457	2,5-Dimethylbenzenesulfonic acid GR
3469	2,5-Dimethylbenzenesulfonic acid ammonium salt GR
3062	Dimethylglyoxime GR
3061	Dimethylglyoxime disodium salt GR
3122	3,3'-Dimethylnaphthidine metal (pM) indicator
3067	*N,N*-Dimethyl-*p*-phenylenediammonium dichloride GR
3114	1,3-Dinitrobenzene for determination of 17-ketosteroids
138	3,5-Dinitrobenzoic acid for determination of creatinine
3081	2,4-Dinitrophenylhydrazine GR
9671	Dioxane GR
3110	Dioxane dried GR

Item No.	
3086	Diphenylamine GR
3091	Diphenylcarbazide GR
3087	1,5-Diphenylcarbazone reagent standardised
3089	Dipicrylamine GR
867	Di-*iso*-propyl ether GR
3092	Dithizone GR
3170	Eriochrome black T metal (pM) indicator
3340	Eriochrome blue SE metal (pM) indicator
3168	Eriochrome blue-black B metal (pM) indicator
3164	Eriochrome cyanine R GR
3162	Eschka's mixture GR
972	Ethanol absolute GR
9623	Ethyl acetate GR
9621	Ethylene glycol GR
859	Ethylene glycol monomethyl ether GR
6101	Ethyl-3-hydroxy-1-methyl-2-oxo-3-pyrroline-4-carboxylate GR
9708	Ethyl methyl ketone GR
3191	Fast blue salt B
9681	Fluorescin
340	4-Fluorobenzoic acid standard for elementary analysis
2966	1-Fluoro-2,4-dinitrobenzene GR
4003	Formaldehyde solution 35% w/w GR
9684	Formamide GR
264	Formic acid 98–100% GR
4013	Furfural GR
9402	Fusion mixture for determination of nitrogen
4063	Gas black granular for elementary analysis
4094	Glycerol redistilled GR
4201	Glycine GR
4191	Glyoxal bis(2-hydroxyanil) GR

Item No.

7341 Hexachloroplatinic(IV) acid solution 10% GR
4343 Hexamethylenetetramine GR
4371 *n*-Hexane for pesticide residue analysis
4332 Hide powder slightly chromated GR
4603 Hydrazinium sulfate GR
4527 2-Hydrazono-2,3-dihydro-3-methylbenzothiazole hydrochloride GR
4510 Hydrindantine (dihydrate) for determination of amino acids
344 Hydriodic acid min. 57% GR
345 Hydriodic acid min. 67% GR
307 Hydrobromic acid min. 48% GR
316 Hydrochloric acid min. 25% GR
319 Hydrochloric acid min. 32% GR
317 Hydrochloric acid fuming min. 37% GR
338 Hydrofluoric acid min. 40% GR
334 Hydrofluoric acid min. 48%
352 Hydrofluorosilicic acid GR
4616 Hydroxylammonium chloride GR
4617 Hydroxylammonium sulfate GR
4593 Hydroxynaphthol blue GR metal (pM) indicator
7098 8-Hydroxyquinoline GR
7099 8-Hydroxyquinoline standard for elementary analysis
4633 Hypophosphorous acid 50% GR

4716 Imidazole GR
4724 Indigo carmine GR
4730 Indole GR
357 Iodic acid cryst. GR
4761 Iodine resublimed GR
358 *di*-Iodine pentoxide granular 0.5–2,5 mm GR
359 *di*-Iodine pentoxide granular for flue gas analysis
374 Iodoacetic acid GR
351 2-Iodobenzoic acid standard for elementary analysis
3819 Iron reduced GR
3861 Iron(II) chloride GR

Item No.

3943 Iron(III) chloride GR
5512 Iron(III) chloride solution (about 10% Fe) GR
3914 Iron(II) ethylenediammonium sulfate GR volumetric standard
3883 Iron(III) nitrate GR
3924 Iron(III) oxide GR
3935 Iron(III) phosphate calcined granular 2 mm GR
3965 Iron(II) sulfate GR
4734 Isatin GR

6669 Kalignost® (sodium tetraphenylboron) GR

5326 Lanthanum nitrate GR
7362 Lead granular GR
7365 Lead foil GR
7375 Lead(II) acetate neutral GR
7381 Lead(II) carbonate GR
7512 Lead(II) chromate particle size 0.75–2.0 mm for elementary analysis
7414 Lead(II) hydroxide acetate anhydrous, for analysis of sugars acc. to Horne
7398 Lead(II) nitrate GR
7401 Lead(II) oxide GR
7410 Lead(IV) oxide GR for C-determination in steel
7407 Lead(IV) oxide GR
7408 Lead(IV) oxide acc. to Dennstedt GR
7409 Lead(IV) oxide granular for elementary analysis
7412 Lead(II) thiocyanate for determination of thiocyanogen values acc. to Kaufmann
5680 Lithium carbonate GR
5679 Lithium chloride GR
5694 Lithium sulfate GR
5699 *di*-Lithium tetraborate anhydrous GR

5819 Magnesium acetate GR
5833 Magnesium chloride GR

Item No.	
5827	Magnesium hydroxide carbonate GR
5853	Magnesium nitrate GR
5866	Magnesium oxide (max. 0.001% SO_4) GR
5865	Magnesium oxide GR
5878	Magnesium oxide A granular for elementary analysis
5874	Magnesium perchlorate GR
5879	Magnesium perchlorate anhydrous GR
5875	Magnesium perchlorate 0.7–1.5 mm for elementary analysis
8712	Magnesium reagent acc. to Mann and Yoe
5886	Magnesium sulfate GR
8409	Magnesium Titriplex® GR
1398	Malachite green-oxalate GR
5918	Manganese(II) acetate GR
5927	Manganese(II) chloride GR
5940	Manganese(II) nitrate 4-hydrate GR
5953	Manganese(IV) oxide on carrier, activated granular for elementary analysis
5957	Manganese(IV) oxide 85–90% powder GR
5963	Manganese(II) sulfate 1-hydrate GR
5983	D(–)Mannitol for determination of boric acid
5996	2-Mercaptobenzothiazole GR
4403	Mercury GR and for polarography
4410	Mercury(II) acetate GR
4421	Mercury(II) bromide GR
4425	Mercury(I) chloride GR
4419	Mercury(II) chloride GR
4428	Mercury(II) iodide red GR
4437	Mercury(I) nitrate GR
4434	Mercury(II) nitrate GR
4466	Mercury(II) oxide red GR
4461	Mercury(II) oxide yellow GR
4484	Mercury(II) thiocyanate GR
6009	Methanol GR
6012	Methanol dried GR
6011	Methanol for pesticide residue analysis
6146	Methyl-*iso*-butyl ketone extraction solvent, analytical grade
6073	Methyl magnesium iodide about 1 M in *iso*-amyl ether GR

Item No.	
6084	Methylthymol blue sodium salt metal (pM) indicator
532	Molybdatophosphoric acid GR
403	Molybdenum(VI) oxide GR
6098	Morin GR
6161	Murexide metal (pM) indicator
6252	1,3-Naphthalenediol GR
6223	1-Naphthol GR
6234	2-Naphthol GR
6531	1,2-Naphthoquinone-4-sulfonic acid sodium salt GR
6245	1-Naphthylamine GR
6237	*N*-(1-Naphthyl)-ethylenediammonium dichloride GR
2968	Neocuproin GR
2964	Neocuproin hydrochloride GR
6717	Nickel(II) chloride GR
6721	Nickel(II) nitrate GR
6727	Nickel(II) sulfate GR
6819	Nicotinamide standard for elementary analysis
6767	*iso*-Nicotinic acid hydrazide GR
6762	Ninhydrin GR
454	Nitric acid min. 65% GR
456	Nitric acid min. 65% tested by the dithizone method GR
455	Nitric acid fuming 100% GR
6761	Nitrin GR
6759	2-Nitroaniline for photometric determination of ascorbic acid
6760	4-Nitroaniline for determination of phenol
6783	4'-Nitroazobenzene-4-carbonyl chloride GR
6764	2-Nitrobenzaldehyde GR
6780	Nitron GR
464	2-Nitrophenol-4-arsonic acid GR
6800	4-Nitrophenylhydrazine GR
6850	4-Nitrophenyl phosphate disodium salt (hexahydrate) GR
6803	1-Nitroso-2-naphthol GR

Item No.	
6804	1-Nitroso-2-naphthol standard for elementary analysis
6802	2-Nitroso-1-naphthol GR
6809	Nitroso R salt for determination of cobalt
6981	Oil of palm kernel for determination of grease-proofness of packing materials
495	Oxalic acid GR
1841	Oxalic acid bis(cyclohexylidene hydrazide) GR
1842	Oxalic acid dihydrazide GR
7177	*n*-Pentane about 99% GR
516	Perchloric acid about 20% GR
518	Perchloric acid about 60% GR
519	Perchloric acid about 70% GR
7209	Perhydrol® GR
7210	Perhydrol GR
524	Periodic acid cryst. GR
9429	Permutit® for determination of urea
9718	Petroleum GR
1774	Petroleum benzine GR boiling-range 60–80° C
1775	Petroleum benzine GR boiling-range 40–60° C
7225	1,10-Phenanthroline GR
7223	1,10-Phenanthrolinium chloride GR
206	Phenol GR
527	Phenylarsonic acid GR
7255	Phenyl *iso*-cyanate GR
7293	1-Phenyl-2,3-dimethyl-4-amino-5-pyrazolone GR
7244	*m*-Phenylenediammonium dichloride GR
7252	Phenylfluorone reagent for germanium
7251	Phenylhydrazine GR
7253	Phenylhydrazinium chloride GR
3108	Phenyl phosphate disodium salt GR
7266	Phloroglucinol GR
565	*ortho*-Phosphoric acid about 98% cryst. GR
573	*ortho*-Phosphoric acid min. 85% GR
571	*meta*-Phosphoric acid sticks GR
554	Phosphorous acid about 30% GR
570	*di*-Phosphorus pentoxide GR
7297	Phthalein purple metal (pM) indicator
9611	Phthalic acid GR
623	Picric acid moistened with about 50% water (related to the dry substance) GR
9724	Piperidine GR
1047	Potassium aluminium sulfate GR
4912	Potassium bromate GR
4905	Potassium bromide GR
4928	Potassium carbonate GR
6683	Potassium carbonate sodium carbonate GR
4944	Potassium chlorate GR
4933	Potassium chloride (max. 0.005% Br) GR
4936	Potassium chloride GR
4952	Potassium chromate GR
1036	Potassium chromium(III) sulfate
4967	Potassium cyanide GR
4864	Potassium dichromate GR
4868	Potassium dichromate GR volumetric standard
4873	Potassium dihydrogen phosphate GR
5106	Potassium disulfate GR
5107	Potassium disulfate powder GR
5057	Potassium disulfite cryst. GR
4994	Potassium fluoride GR
4984	Potassium hexacyanoferrate(II) GR
4973	Potassium hexacyanoferrate(III) GR
5179	Potassium hexafluorotitanate(IV) GR
4854	Potassium hydrogen carbonate GR
4867	Potassium hydrogen diiodate GR
5099	*di*-Potassium hydrogen phosphate 3-hydrate GR
4874	Potassium hydrogen phthalate GR
4876	Potassium hydrogen phthalate GR volumetric standard
4885	Potassium hydrogen sulfate GR
5021	Potassium hydroxide pellets (max. 0.002% Na) GR

Item No.

5033 Potassium hydroxide pellets extra pure GR
5545 Potassium hydroxide solution about 47% for absorption of carbon dioxide
5051 Potassium iodate GR
5053 Potassium iodate GR volumetric standard
5043 Potassium iodide neutral GR
5063 Potassium nitrate GR
5067 Potassium nitrite cryst. GR
5073 *di*-Potassium oxalate GR
5076 Potassium perchlorate GR
5079 Potassium *meta*-periodate GR
5083 Potassium permanganate (max. 0.0005% SO_4) GR
5082 Potassium permanganate GR
5092 Potassium peroxodisulfate (max. 0.001% N) GR
5091 Potassium peroxodisulfate GR
5103 *tri*-Potassium phosphate 7-hydrate GR
5117 Potassium pyroantimonate GR
8087 Potassium sodium tartrate GR
5153 Potassium sulfate GR
5134 Potassium sulfide granular GR
5167 Potassium tetroxalate GR
5125 Potassium thiocyanate GR
997 1-Propanol GR
9634 2-Propanol GR
998 2-Propanol for pesticide residue analysis
7496 Propionaldehyde GR
2441 Pumice stone 0.8–2 mm for elementary analysis
9728 Pyridine GR
7463 Pyridine dried (max. 0.01% H_2O) GR
7531 1-(2-Pyridylazo)-2-naphthol metal (pM) indicator
7533 4-(2-Pyridylazo)-resorcinol monosodium salt metal (pM) indicator
1916 Pyrocatechol GR
1922 3,5-Pyrocatecholdisulfonic acid disodium salt GR and metal (pM) indicator
1919 Pyrocatechol violet metal (pM) indicator
612 Pyrogallol GR
7534 Pyrogallol red metal (pM) indicator

Item No.

7516 Pyromellitic dianhydride GR
7495 1-Pyrrolidinedithiocarboxylic acid ammonium salt GR
7497 Pyrrolidinedithiocarboxylic acid sodium salt GR

7536 Quartz fine granular washed and calcined GR
216 Quinaldic acid GR
2284 Quinhydrone GR

7552 Reinecke salt GR
7593 Resorcinol GR
7599 Rhodamine B GR
6595 Rhodizonic acid sodium salt GR
629 Rubeanic acid GR
7615 Rubidium chloride GR

642 Salicylaldehyde for detection of fusel oil and of rancidity of ketones
7664 Salicylaldoxime GR
7712 Sea sand purified by acid and calcined GR
8030 Selenium mixture GR
7722 Semicarbazide hydrochloride GR
1515 Silver diethyldithiocarbamate GR
1512 Silver nitrate GR
1503 Silver oxide GR
1509 Silver sulfate GR
1506 Silver wool for elementary analysis
1564 Soda asbestos granulated for elementary analysis
1567 Soda asbestos fine-granular for elementary analysis
6839 Soda lime granular with indicator GR
6830 Soda lime granules 1–2 mm with indicator for elementary analysis
6261 Sodium GR
6367 Sodium acetate cryst. GR indifferent to potassium permanganate

Item No.	
6268	Sodium acetate anhydrous GR
6682	Sodium ammonium hydrogen phosphate GR
6287	Sodium *meta*-arsenite GR
6348	Sodium bismuthate GR
6391	Sodium carbonate 10-hydrate cryst. GR
6392	Sodium carbonate anhydrous GR
6394	Sodium carbonate anhydrous GR volumetric standard
6423	Sodium chlorate GR
6404	Sodium chloride cryst. GR
6405	Sodium chloride cryst. GR volumetric standard
6448	*tri*-Sodium citrate 2-hydrate GR
6438	Sodium cyanide GR
6336	Sodium dichromate GR
6689	Sodium diethyldithiocarbamate GR
6346	Sodium dihydrogen phosphate 1-hydrate GR
2962	Sodium diphenylide in ethylene glycol dimethyl ether GR
6591	*tetra*-Sodium diphosphate 10-hydrate GR
6528	Sodium disulfite dry GR
6449	Sodium fluoride GR
6443	Sodium formate GR
4168	Sodium β-glycerophosphate for determination of phosphatase
2521	Sodium hexanitrocobaltate(III) GR
6284	*di*-Sodium hydrogen arsenate GR
6329	Sodium hydrogen carbonate GR
6579	*di*-Sodium hydrogen phosphate 12-hydrate GR
6580	*di*-Sodium hydrogen phosphate 2-hydrate GR
6339	Sodium hydrogen selenite for testing the germinating power of seeds
6352	Sodium hydrogen sulfate GR
6495	Sodium hydroxide pellets (max. 0.0002% K) GR
6498	Sodium hydroxide pellets extra pure GR
5588	Sodium hydroxide solution 10% GR
5594	Sodium hydroxide solution 20% GR
5591	Sodium hydroxide solution min. 27% GR
5590	Sodium hydroxide solution min. 32% GR
6525	Sodium iodate GR
6523	Sodium iodide GR
6521	Sodium molybdate GR
6532	Sodium monovanadate GR
6815	Sodium 1-naphthyl phosphate for determination of phosphatase
6537	Sodium nitrate GR
6549	Sodium nitrite cryst. GR
6541	Sodium nitroprusside GR
6557	*di*-Sodium oxalate GR
6556	*di*-Sodium oxalate GR volumetric standard
6564	Sodium perchlorate GR
6597	Sodium *meta*-periodate for determination of *vic.* hydroxyl groups
6563	Sodium peroxide granular GR
6551	Sodium peroxide powder GR
6601	Sodium salicylate cryst GR
6607	Sodium selenite GR
6648	Sodium sulfate 10-hydrate cryst. GR
6649	Sodium sulfate anhydrous GR
6638	Sodium sulfide GR
6657	Sodium sulfite anhydrous GR
6664	*di*-Sodium tartrate GR
6308	*di*-Sodium tetraborate cryst. GR
6310	*di*-Sodium tetraborate (max. 15% H_2O) GR
6306	*di*-Sodium tetraborate anhydrous GR
6304	*di*-Sodium tetraborate anhydrous for X-ray fluorescence analysis.
6301	Sodium tetraborate cobalt(III) oxide (100:1) for X-ray fluorescence analysis
6516	Sodium thiosulfate 5-hydrate GR
6673	Sodium tungstate GR
1257	Starch soluble, acc. to Zulkowsky GR
1252	Starch soluble GR
1259	Starch for determination of diastase
672	Stearic acid standard for elementary analysis
7865	Strontium chloride GR
7872	Strontium nitrate anhydrous GR
682	Succinic acid GR
686	Sulfanilic acid GR

Item No.

684 Sulfanilic acid standard for elementary analysis

7995 Sulfonazo III GR

691 5-Sulfosalicylic acid GR and metal (pM) indicator

716 Sulfuric acid 25% GR

721 Sulfuric acid fumig min. 30% SO_3 GR

9286 Sulfuric acid 40% for determination of gas metabolism acc. to Knipping

729 Sulfuric acid 90–91% for fat determination acc. to Gerber and the determination of nitrates in milk

731 Sulfuric acid 95–97% GR

748 Sulfuric acid about 98% for determination of nitrogen

761 Sulfurous acid 5–6% SO_2 GR

804 L(+) Tartaric acid GR

8109 Tetraethylammonium iodide for polarography

8256 Tetraethylenepentamine (Tetren) about 20% in water GR

9731 Tetrahydrofuran GR

9638 Tetrahydrofurfuryl alcohol GR

8126 1,2,5,8-Tetrahydroxyanthraquinone GR

8138 Tetrahydroxy-*p*-benzoquinone GR

8127 Tetramethylammonium bromide for polarography

8123 Tetramethylammonium hydroxide solution 10% for polarography

8210 Tetramethylammonium hydroxide solution 10% for examination of steroids

8113 Tetramethylammonium iodide for polarography

8150 Tetraphenylarsonium chloride GR

8149 Thallium(I) chloride GR

8143 Thallium(I) iodide GR

8144 Thallium(I) nitrate GR

8201 1-(2-Thenoyl)-3,3,3-trifluoroacetone GR

8170 Thioacetamide GR

8180 2-Thiobarbituric acid reagent for sorbic acid

8174 2,2-Thiodiethanol GR

700 Thioglycollic acid GR

8151 Thionalide GR

Item No.

8156 Thiosemicarbazide GR

7979 Thiourea GR

8294 Thorin indicator for titration of sulfate with barium perchlorate

8162 Thorium nitrate GR

7806 Tin granulated GR

7822 Tin foil 0,02 mm GR

7815 Tin(II) chloride GR

7811 Tin(IV) chloride fuming GR

1307 Titan yellow GR

Titriplex® I, II, III and VI

8311 o-Tolidine GR

8301 o-Tolidinium dichloride GR

8325 Toluene GR

8328 3,4-Toluenedithiol GR

9613 4-Toluenesulfonic acid GR

8310 o-Toluidine GR

8356 2,4,6-Tribromophenol standard for elementary analysis

8354 Tributyl phosphate extraction solvent, analytical grade

807 Trichloroacetic acid GR

8288 1,2,4-Trichlorobenzene for gel chromatography

8379 Triethanolamine GR

8357 Triethanolamine hydrochloride GR

8254 Trioctylphosphine oxide for extraction analysis

8269 Triphenylphosphine standard for elementary analysis

8380 2,3,5-Triphenyltetrazolium chloride for testing the germinating power of seeds

8382 Tris(hydroxymethyl)-aminomethane GR

8365 Tris(hydroxymethyl)-aminomethane GR volumetric standard

583 Tungstophosphoric acid GR

659 Tungstosilicic acid GR

9795 *n*-Undecane GR

8473 Uranyl acetate GR

8476 Uranyl nitrate GR

Item No.

8487 Urea GR

8489 Urease lyophilised 5 U/mg for determination of urea in serum

825 Vanadium(V)oxide for determination of alcohol in blood

8506 Variamine® blue metal (pM) indicator

8677 Xylenol orange tetrasodium salt metal (pM) indicator

8721 Yttrium chloride carrier substance for determination of isotopes

Item No.

8756 Zinc coarse powder GR

8780 Zinc granular GR

8789 Zinc powder GR

8781 Zinc rods 8 mm GR

8802 Zinc acetate GR

8816 Zinc chloride dry GR

8828 Zinc iodide GR

5445 Zinc iodide starch solution GR

8833 Zinc nitrate 4-hydrate GR

8739 Zincon for photometric determination of copper and zinc

8849 Zinc oxide GR

8883 Zinc sulfate GR

8414 Zinc Titriplex® GR

8917 Zirconium(VI) oxide chloride GR

II. Suprapur® Reagents

55 Acetic acid glacial min. 96%

5428 Ammonia solution min. 25%

1028 Ammonium aluminium sulfate 12-hydrate

1122 Ammonium bromide

1143 Ammonium chloride

1172 Ammonium iodide

1716 Barium chloride

1722 Barium fluoride

765 Boric acid

169 *di*-Boron trioxide

1947 Bromine

2017 Cadmium selenide

2028 Cadmium sulfate cryst.

2020 Cadmium sulfide

2384 Calcium chloride 4-hydrate

2842 Calcium fluoride

2048 Cesium acetate

2860 Cesium bromide

2039 Cesium chloride

2852 Cesium formiate

2861 Cesium iodide

2863 Cesium sulfate

4606 Hydrazinium hydroxide about 24% N_2H_5OH

347 Hydriodic acid min. 56%

306 Hydrobromic acid min. 47%

318 Hydrochloric acid min. 30%

335 Hydrofluoric acid min. 40%

4763 Iodine

Item No.	
7374	Lead(II) acetate
7387	Lead(II) fluoride
5668	Lithium bromide cryst.
5677	Lithium chloride cryst.
5686	Lithium fluoride
5855	Magnesium nitrate cryst.
4404	Mercury
441	Nitric acid min. 65%
517	Perchloric acid about 70%
7278	Phosphorus oxide trichloride
7279	Phosphorus tribromide
7280	Phosphorus trichloride
4904	Potassium bromide
4926	Potassium carbonate cryst.
4938	Potassium chloride
4995	Potassium fluoride
5542	Potassium hydroxide solution min. 30%
5044	Potassium iodide

Item No.	
7626	Rubidium bromide
7622	Rubidium chloride
7619	Rubidium iodide
6264	Sodium acetate anhydrous
6363	Sodium bromide
6395	Sodium carbonate anhydrous
6406	Sodium chloride
6450	Sodium fluoride
5589	Sodium hydroxide solution min. 30%
6519	Sodium iodide
6647	Sodium sulfate anhydrous
6309	*di*-Sodium tetraborate anhydrous
6509	Sodium thiosulfate 5-hydrate
7866	Strontium fluoride
714	Sulfuric acid min. 96%
8872	Zinc selenide

III. Special reagent solutions and reagent preparations

8008 8009	Amino acids analysis acc. to Stein and Moore Reagent kits I/II
8019	Aquamerck® Complete reagent kit for determination of chlorine content and pH of swimming pool water
8020	Aquamerck® test-vessel for determination of chlorine content and pH
8011	Aquamerck® Complete reagent kit for determination of water hardness
8744	Aquamerck® refill indicator tablets for determination of water hardness
8434	Aquamerck® for determination of water hardness Titration solution 1 drop = 1° dH
8017	Aquamerck® hydrazine reagent for determination of hydrazine
8018	Aquamerck® test-vessel for determination of hydrazine
1793	Benzene for protein sequenation acc. to Edman and Begg
4197	BTS catalyst 0.8–2 mm for elementary analysis and gas purification
2037	Cesium chloride-aluminium nitrate buffer solution
1688	1-Chlorobutane for protein sequenation acc. to Edman and Begg
9287	Copper(I) chloride solution ammoniacal for carbon monoxide adsorption
2767	Copper oxide wire for elementary analysis

Item No.

2765 Copper oxide wire fine for elementary analysis . .
5341 Devarda's alloy powder GR . . . . . .

3162 Eschka's mixture GR . . . . . .
853 Ethyl acetate for protein sequenation acc. to Edman and Begg . . . . . .

9001 Folin-Ciocalteu's phenol reagent . . . . . .
9402 Fusion mixture for determination of nitrogen . .

4063 Gas black granular for elementary analysis . . .
4082 Girard's reagent P . . . . . .
4083 Girard's reagent T . . . . . .

4565 Heptafluorobutyric acid for protein sequenation acc. to Edman and Begg . . . . . .

8430 Indicator buffer tablets . . . . . .
4780 Iodine solution 1% in ethanol . . . . . .
9163 0,2 N Iodine solution acc. to Wijs. . . . . .
Ion exchangers I, II, III, IV, V . . . . . .
Ion exchanger Permutit T see Permutit T . . . .
5512 Iron(III) chloride solution (about 10% Fe) GR . .

9248
9246 Karl Fischer's solutions . . . . . .
9247

5953 Manganese(IV) oxide on carrier, activated granular for elementary analysis . . . . . .
6073 Methyl magnesium iodide about 1 M in *iso*-amyl ether GR. . . . . .

2939 Permutit® T . . . . . .
7089 Phenyl-*iso*-thiocyanate about 5% in *n*-heptane for protein sequenation acc. to Edman and Begg

Item No.

6683 Potassium carbonate sodium carbonate GR . . .
5545 Potassium hydroxide solution about 47% for absorption of carbon dioxide . . . . . .
8012 Protein sequenation acc. to Edman and Begg . .
2441 Pumice stone 0.8–2 mm for elementary analysis .

7514 Quadrol-trifluoroacetic acid buffer for protein sequenation acc. to Edman and Begg

9034 Schiff's reagent . . . . . .
8030 Selenium mixture GR . . . . . .
1564
1567 Soda asbestos . . . . . .
6839 Soda lime granular with indicator GR . . . . .
5591
5590 Sodium hydroxide solution GR . . . . . .
6301 Sodium tetraborate cobalt(III) oxide (100:1) for X-ray fluorescence analysis . . . . . .
9048 Splittgerber's reagent . . . . . .

8202 Tetrapropylenebenzenesulfonate solution 5% standard for determination anionic detergents . .
8309 o-Tolidine solution acc. to Ellms-Hauser . . . .

8458 Universal combustion catalyst acc. to Körbl for microelementary analysis. . . . . .

8498 Vanadate-molybdate reagent for determination of phosphate . . . . . .

Wieninger's reagent see Selenium mixture acc. to Wieninger . . . . . .
Wij's solution see Iodine solution acc. to Wijs . .

5445 Zinc iodide starch solution GR . . . . . .

IV. Titriplex® and metal (pM) indicators for complexometric determinations

Item No.	
8416	Titriplex® I metal (pM) indicator
8417	Titriplex® II metal (pM) indicator
8418	Titriplex® III GR
9992	0.1 M Titriplex® III solution *Titrisol®*
8424	Titriplex® IV GR
8426	Titriplex® V GR
8435	Titriplex® VI GR
8419 8420 8429	Titriplex® solutions for determination of water hardness
9876 9894 9895	Titrisol® for determination of water hardness
8409	Magnesium Titriplex® GR
8414	Zinc Titriplex® GR
3409	2,3-Dimercapto-1-propanol for complexometric determination
8379	Triethanolamine GR
9991	0.1 M Zinc sulfate solution *Titrisol®*
8430	Indicator buffer tablets for determination of water hardness with Titriplex® solutions

Metal (pM) indicators

2315	Calcein
4594	Calcon®
4595	Calconcarboxylic acid
2311	Calmagite
2477	Chromazurol S
3122	3,3'-Dimethylnaphthidine
3170	Eriochrome black T
3340	Eriochrome blue SE
3168	Eriochrome blue-black B
4050	Gallocyanine chloride
4593	Hydroxynaphthol blue
6084	Methylthymol blue sodium salt
6161	Murexide
7297	Phthalein purple
7531	1-(2-Pyridylazo)-2-naphthol
7533	4-(2-Pyridylazo)-resorcinol monosodium salt
1922	3,5-Pyrocatecholdisulfonic acid disodium salt
1919	Pyrocatechol violet
7534	Pyrogallol red
691	5-Sulfosalicylic acid
8506	Variamine® blue
8677	Xylenol orange tetrasodium salt

1311	Diamine green B for preparation of a mixed indicator with phthalein purple
1306	Naphthol green B for preparation of mixed indicators for complexometry

V. Organic reagents for inorganic analysis

Reagents for Aluminium
- Alizarin
- Alizarinsulfonic acid sodium salt
- Aurin tricarboxylic acid ammonium salt
- *N*-Benzoyl-*N*-phenylhydroxylamine
- Chromazurol S
- Cupferron
- Eriochrome cyanine
- 8-Hydroxyquinoline
- Morin
- 1,2,5,8-Tetrahydroxyanthraquinone

Reagents for Antimony
- Phenylfluorone
- Pyrogallol
- Pyrrolidinedithiocarboxylic acid sodium salt
- Rhodamine B
- Silver diethyldithiocarbamate
- Thionalide

Reagents for Arsenic
- Silver diethyldithiocarbamate
- 3,4-Toluenedithiol

Reagents for Barium
- Rhodizonic acid sodium salt
- Tetrahydroxy-*p*-benzoquinone

Reagents for Beryllium
- Aurin tricarboxylic acid ammonium salt
- Chromazurol S
- Morin
- Sodium salicylate
- 1,2,5,8-Tetrahydroxyanthraquinone

Reagents for Bismuth
- Benzo[f]quinoline
- Bismuthiol I dipotassium salt
- Cupferron
- Dimethylglyoxime
- Dimethylglyoxime disodium salt
- Dithizone
- 8-Hydroxyquinoline
- 2-Mercaptobenzothiazole
- Pyrocatechol violet
- Pyrogallol
- Pyrrolidinedithiocarboxylic acid sodium salt
- Sodium diethyldithiocarbamate
- Thionalide
- Thiourea
- Xylenol orange tetrasodium salt

Reagents for Boron
- Alizarinsulfonic acid sodium salt
- Carminic acid
- Chromotropic acid sodium salt
- 1,1'-Dianthrimide

Reagents for Cadmium
- 2-Aminobenzoic acid
- Benzo[f]quinoline
- 2,2'-Bipyridine
- Diphenylcarbazide
- Dithizone
- 8-Hydroxyquinoline
- 2-Mercaptobenzothiazole
- Quinaldic acid
- Sodium diethyldithiocarbamate
- Thiourea

Reagents for Calcium
- Calcein
- Chloranilic acid
- Eriochrome black T
- Glyoxal bis(2-hydroxyanill)
- Murexide

Reagents for Cerium
- Benzidine
- 8-Hydroxyquinoline
- 1,10-Phenanthrolinium chloride
- 1-(2-Thenoyl)-3,3,3-trifluoroacetone
- o-Tolidine

Reagents for Chlorine
- Benzidine
- Chloranilic acid mercury(II) salt
- 2',7'-Dichlorofluorescein
- *N,N*-Dimethyl-p-phenylenediammonium dichloride
- 1,5-Diphenylcarbazone
- Dithizone
- o-Tolidine

Reagents for Chromium
- Benzidine
- Chromotropic acid sodium salt
- Diphenylcarbazide
- 8-Hydroxyquinoline
- Pyrrolidinedithiocarboxylic acid sodium salt
- 1-(2-Thenoyl)-3,3,3-trifluoroacetone

Reagents for Cobalt
- 2-Aminobenzoic acid
- Benzo[f]quinoline
- Dimethylglyoxime
- Dimethylglyoxime disodium salt
- Dithizone
- 1-Nitroso-2-naphthol
- 2-Nitroso-1-naphthol
- Nitroso R salt
- Phenazone
- 1-(2-Pyridylazo)-2-naphthol
- Rubeanic acid
- Sodium diethyldithiocarbamate
- 1-(2-Thenoyl)-3,3,3-trifluoroacetone
- 3,4-Toluenedithiol

Reagents for Copper
- Bathocuproine
- Bathocuproinedisulfonic acid disodium salt
- Benzoin-α-oxime
- 1,2,3-Benzotriazole
- *N*-Benzoyl-*N*-phenylhydroxylamine
- 2,2'-Biquinoline
- Cupferron
- *N,N*-Dibenzyldithiocarbamic acid zinc salt
- Diethylammonium *N,N*-diethyldithiocarbamate
- 5-(4-Dimethylaminobenzylidene)-rhodanine
- Dithizone
- 8-Hydroxyquinoline
- 2-Mercaptobenzothiazole
- Neocuproin
- Neocuproin hydrochloride
- Oxalic acid bis(cyclohexylidene hydrazide)
- Pyrocatechol violet
- Pyrrolidinedithiocarboxylic acid sodium salt
- Quinaldic acid
- Rubeanic acid
- Salicylaldoxime
- Sodium diethyldithiocarbamate
- 1-(2-Thenoyl)3,3,3-trifluoroacetone
- Thioglycollic acid
- Thionalide
- Zincon

Reagents for Cyanide
- Barbituric acid
- 5-(4-Dimethylaminobenzylidene)-rhodanine
- Dimethylglyoxime
- Dimethylglyoxime disodium salt
- 1,10-Phenanthrolinium chloride

Reagents for Fluoride
- Alizarin-3-methylamine-*N,N*-diacetic acid
- Alizarinsulfonic acid sodium salt
- Chromazurol S
- Eriochrome cyanine R

Reagents for Gallium
- Alizarin
- Aurin tricarboxylic acid ammonium salt
- Cupferron
- Gallocyanine chloride
- 8-Hydroxyquinoline
- Morin
- Rhodamine B
- 1,2,5,8-Tetrahydroxyanthraquinone
- Xylenol orange tetrasodium salt

Reagents for Germanium
- Benzo[f]quinoline
- 1,5-Diphenylcarbazone
- 8-Hydroxyquinoline
- Phenylfluorone
- 3,4-Toluenedithiol

Reagents for Gold
- Benzidine
- 5,(4-Dimethylaminobenzylidene)-rhodanine
- Dithizone
- 2-Mercaptobenzothiazole
- Naphthylamine
- Pararosaniline
- Rhodamine B
- Sodium diethyldithiocarbamate
- o-Tolidine

Reagents for Hafnium
- Cupferron

Reagents for Indium
- Alizarin
- 8-Hydroxyquinoline
- Morin
- 1,2,5,8-Tetrahydroxyanthraquinone

Reagents for Iodine
- o-Tolidine

Reagents for Iridium
- Sodium diethyldithiocarbamate

Reagents for Iron
- Bathophenanthroline
- Bathophenanthrolinedisulfonic acid disodium salt
- 2,2'-Bipyridine
- Cupferron
- Dimethylglyoxime
- Dimethylglyoxime disodium salt
- 8-Hydroxyquinoline
- Nitroso R salt

1,10-Phenanthrolinium chloride
Salicylaldoxime
5-Sulfosalicylic acid
1-2-(Thenoyl)-3,3,3-trifluoroacetone
Thioglycollic acid
Variamine® blue

Reagents for Lead
Benzidine
Dithizone
2-Mercaptobenzothiazole
Rhodizonic acid sodium salt
Salicylaldoxime
Sodium diethyldithiocarbamate
Thionalide
Thiourea

Reagents for Lithium
8-Hydroxyquinoline
Thorin

Reagents for Magnesium
Diphenylcarbazide
Eriochrome black T
8-Hydroxyquinoline
Magnesium reagent
1,2,5,8-Tetrahydroxyanthraquinone
Titan yellow

Reagents for Manganese
Malachite green-oxalate
Sodium diethyldithiocarbamate
o-Tolidine

Reagents for Mercury
2-Aminobenzoic acid
Chromotropic acid sodium salt
5-(4-Dimethylaminobenzylidene)-rhodanine
Diphenylcarbazide
1,5-Diphenylcarbazone
Dithizone
2-Mercaptobenzothiazole
Sodium diethyldithiocarbamate
Thionalide

Reagents for Molybdenum
Benzoin-α-oxime
2,2'-Bipyridine
Chloranilic acid
Methylene blue
Morin
1-Nitroso-2-naphthol
Phenylfluorone
Phenylhydrazine
3,5-Pyrocatecholdisulfonic acid disodium salt
Quercetin
Thioglycollic acid
Toluene-3,4-dithiol

Reagents for Nickel
2-Aminobenzoic acid
Dimethylglyoxime
Dimethylglyoxime disodium salt
Rubeanic acid
Salicylaldehyde
Sodium diethyldithiocarbamate

Reagents for Niobium
N-Benzoyl-*N*-phenylhydroxylamine
8-Hydroxyquinoline
Phenylarsonic acid
Pyrogallol

see page

Reagents for Nitrate
- Benzidine
- Brucine
- Chromotropic acid sodium salt
- Diphenylamine
- 1-Naphthylamine
- Nitron
- 1-Phenyl-2,3-dimethyl-4-amino-5-pyrazolone
- Sodium salicylate
- Sulfanilic acid

Reagents for Nitrite
- 1-Naphthylamine
- Nitrin
- 1-Phenyl-2,3-dimethyl-4-amino-5-pyrazolone
- Sulfanilic acid
- Thioglycollic acid

Reagents for Osmium
- Benzidine
- Pyrogallol
- Thionalide
- Thiourea

Reagents for Palladium
- Bismuthiol I dipotassium salt
- 5-(4-Dimethylaminobenzylidene)-rhodanine
- Dimethylglyoxime
- Dimethylglyoxime disodium salt
- Dithizone
- 1-Nitroso-2-naphthol
- 2-Nitroso-1-naphthol
- Pararosaniline
- 1,10-Phenanthrolinium chloride
- Quinaldic acid
- Salicylaldoxime
- Sodium diethyldithiocarbamate
- Thioglycollic acid
- Thionalide

Reagents for Perchlorate
- Nitron

Reagents for Platinum
- Benzidine
- 2-Mercaptobenzothiazole
- Rubeanic acid
- Thionalide

Reagents for Potassium
- Kalignost®

Reagents for Rare earts
- 8-Hydroxyquinoline

Reagents for Rhenium
- Thiourea

Reagents for Rhodium
- Benzidine
- Sodium diethyldithiocarbamate
- Thionalide

Reagents for Rubidium
- Kalignost®

Reagents for Ruthenium
- 1,10-Phenanthrolinium chloride
- Rubeanic acid
- Thionalide
- Thiourea

Reagents for Scandium
- Alizarinsulfonic acid sodium salt
- Glyoxal bis(2-hydroxyanil)
- 8-Hydroxyquinoline
- Morin
- 1,2,5,8-Tetrahydroxyanthraquinone

Reagents for Selenium
- 3,3'-Diammoniobenzidinium tetrachloride
- Methylene blue
- Thiourea

Reagents for Silver
- 1,2,3-Benzotriazole
- Chromotropic acid sodium salt
- 5-(4-Dimethylaminobenzylidene)-rhodanine
- Dimethylglyoxime
- Dimethylglyoxime disodium salt
- Dithizone
- 8-Hydroxyquinoline
- 2-Mercaptobenzothiazole
- 1-Nitroso-2-naphthol
- Sodium diethyldithiocarbamate
- Thionalide
- 3,4-Toluenedithiol

Reagents for Strontium
- Chloranilic acid
- Rhodizonic acid sodium salt

Reagents for Sulfate
- Benzidine
- Chloranilic acid barium salt
- Rhodizonic acid sodium salt
- Tetrahydroxy-*p*-benzoquinone
- Thorin

Reagents for Sulfide
- Alizarinsulfonic acid sodium salt
- *N,N*-Dimethyl-*p*-phenylenediammonium dichloride

Reagents for Tantalium
- *N*-Benzoyl-*N*-phenylhydroxylamine
- Phenylarsonic acid
- Phenylfluorone
- Pyrogallol

Reagents for Tellurium
- Sodium diethyldithiocarbamate
- 1-(2-Thenoyl)-3,3,3-trifluoroacetone
- Thiourea

Reagents for Thallium
- Benzidine
- Brilliant green
- Dipicrylamine
- Dithizone
- 8-Hydroxyquinoline
- Kalignost®
- 2-Mercaptobenzothiazole
- Rhodamine B
- Thionalide

Reagents for Thiosulfate
- Cacotheline

Reagents for Thorium

- Alizarin
- Cupferron
- 8-Hydroxyquinoline
- Phenylarsonic acid
- Pyrocatechol violet
- Quinaldic acid
- Thorin

Reagents for Tin

- *N*-Benzoyl-*N*-phenylhydroxylamine
- Cupferron
- 1,5-Diphenylcarbazone
- Morin
- 2-Nitrophenol-4-arsonic acid
- Phenylarsonic acid
- Phenylfluorone
- Pyrrolidinedithiocarboxylic acid sodium salt
- 1-(2-Thenoyl)-3,3,3-trifluoroacetone
- Thionalide
- 3,4-Toluenedithiol

Reagents for Titanium

- *N*-Benzoyl-*N*-phenylhydroxylamine
- Chromotropic acid sodium salt
- Cupferron
- 8-Hydroxyquinoline
- Morin
- Pyrocatechol-3,5-disulfonic acid disodium salt
- 5-Sulfosalicylic acid

Reagents for Tungsten

- Benzoin-α-oxime
- 8-Hydroxyquinoline
- Rhodamine B
- 3,4-Toluenedithiol

Reagents for Uranium

- Aurin tricarboxylic acid ammonium salt
- Cupferron
- Glyoxal bis(2-hydroxyanil)
- 8-Hydroxyquinoline
- 1-(2-Pyridylazo-)2-naphthol
- Rhodamine B
- Salicylaldoxime
- Sodium diethyldithiocarbamate
- 1-(2-Thenoyl)-3,3,3-trifluoroacetone
- Thioglycollic acid
- Thorin

Reagents for Vanadium

- Benzidine
- *N*-Benzoyl-*N*-phenylhydroxylamine
- Cupferron
- 3,3-Diammoniobenzidinium tetrachloride
- o-Dianisidine
- Dimethylglyoxime
- Dimethylglyoxime disodium salt
- 3,3'-Dimethylnaphthidine
- 8-Hydroxyquinoline
- 1,10-Phenanthrolinium chloride
- 1-(2-Pyridylazo-)2-naphthol
- Resorcinol
- Rutin
- 1-(2-Thenoyl)-3,3,3-trifluoroacetone
- Variamine® blue

Reagents for Yttrium

- Alizarinsulfonic acid sodium salt
- 8-Hydroxyquinoline

Reagents for Zinc

- 3,3'-Dimethylnaphthidine
- Dithizone
- 8-Hydroxyquinoline
- Quinaldice acid
- Sodium diethyldithiocarbamate
- Thiourea
- Xylenol orange tetrasodium salt
- Zincon

Reagents for Zirconium

- Alizarin
- Alizarinsulfonic acid sodium salt
- Benzilic acid
- Cupferron
- 8-Hydroxyquinoline
- D(–)-Mandelic acid
- Morin
- 1-Nitroso-2-naphthol
- 2-Nitroso-1-naphthol
- Phenylarsonic acid
- Phenylfluorone
- Phthalic acid
- Pyrocatechol violet
- Xylenol orange tetrasodium salt

2. Titrisols and volumetric solutions

Titrisol® (DBP No. 971 376)

concentrated volumetric solutions in special ampoule

I. Titrisols for preparation of normal solutions

for preparation of 1 litre of 0.1 N solution or 500 ml of 0.2 N solution

Item No.		Item No.	
9900	Ammonium thiocyanate solution	9935	Potassium permanganate solution
9905	Bromide bromate solution	9990	Silver nitrate solution
9973	Hydrochloric acid	9938	Sodium arsenite solution
9910	Iodine solution	9940	Sodium carbonate solution
9965	Oxalic acid solution	9945	Sodium chloride solution
9925	Potassium bromate solution	9959	Sodium hydroxide solution (DBP No. 971 376 and 975 054)
9928	Potassium dichromate solution	9950	Sodium thiosulfate solution
9921	Potassium hydroxide solution (DBP No. 971 376/975 054)	9984	Sulfuric acid

for preparation of 500 ml of 2 N solution
or 1 L of 1 N solution
or 2 L of 0.5 N solution
or 10 L of 0.1 N solution

9970	Hydrochloric acid	9956	Sodium hydroxide solution (DBP No. 971 376 and 975 054)
9918	Potassium hydroxide solution (DBP No. 971 376/975 054)	9981	Sulfuric acid

for preparation of 1 litre of a solution of other concentration

9936	0.1 M Copper sulfate solution	9958	0.25 N Sodium hydroxide solution (DBP No. 971 376 and 975 054)
9974	0.01 N Hydrochloric acid	9957	0.5 N Sodium hydroxide solution (DBP No. 971 376 and 975 054)
9971	0.5 N Hydrochloric acid	9982	0.01 N Sulfuric acid
9914	$^1/_{64}$ N Iodide iodate solution	9992	0.1 M Titriplex® III solution
9919	0.5 N Potassium hydroxide solution (DBP No. 971 376/975 054)	9991	0.1 M Zinc sulfate solution
9961	0,01 N Sodium hydroxide solution (DBP No. 971 376 and 975 054)		

I. Titrisols for preparation of normal solutions

for preparation of 1 litre of 0.005 N solution acc. to Hagedorn-Jensen

Item No.

9931 Potassium hexacyanoferrate(III) solution . . . .

9933 Potassium iodate solution . . . . . .

Item No.

9952 Sodium thiosulfate solution . . . . . .

for determination of water hardness

9876 Calcium standard solution for German degrees of hardness
1 ml of standard solution corresponds to 1 mg of CaO after dilution to 1 litre . . . . .

for preparation of 1 litre of Titriplex® solution

9894 A 1 ml = 7 British degrees of hardness if 100 ml of water are used . . . . . .

9895 B 1 ml = 1.25 British degrees of hardness if 100 ml of water are used . . . . . .

for determination of phosphorus in iron

Sodium hydroxide solution (DBP No. 971 376 and 975 054)

9954 for 1 litre 1/1,349 N solution
(1 ml = 0.1% phosphorus in 1 g of sample)
or for 5 litres 1/6, 745 N solution
(1 ml = 0.01% phosphorus in 2 g of sample) . .

9955 for 1 litre 1/6, 745 N solution
(1 ml = 0.01% phosphorus in 2 g of sample) . .

Sulfuric acid (DBP No. 971 376)

9983 for 1 litre 1/1, 349 N solution
(1 ml = 0.1% phosphorus in 1 g of sample)
or for 5 litres 1/6, 745 N solution
(1 ml = 0.01% phosphorus in 2 g of sample) . .

9980 for 1 litre 1/6, 745 N solution
(1 ml = 0.01% phosphorus in 2 g of sample) . .

II. Titrisols for atomic absorption spectroscopy

9967 Aluminium standard solution
1,000 g of Al for preparation of 1 litre . . . . .

9968 Barium standard solution
1,000 g of Ba for preparation of 1 litre . . . . .

9986 Cobalt standard solution
1,000 g of Co for preparation of 1 litre . . . . .

9987 Copper standard solution
1,000 g of Cu for preparation of 1 litre . . . . .

9972 Iron standard solution
1,000 g of Fe for preparation of 1 litre . . . . .

9969 Lead standard solution
1,000 g of Pb for preparation of 1 litre . . . . .

9988 Manganese standard solution
1,000 g of Mn for preparation of 1 litre . . . . .

9989 Nickel standard solution
1,000 g of Ni for preparation of 1 litre . . . . .

9993 Strontium standard solution
1,000 g of Sr for preparation of 1 litre . . . . .

9994 Vanadium standard solution
1,000 g of V for preparation of 1 litre . . . . .

III. Titrisols and solutions for flame photometry

for serum analysis by flame photometry

Item No.

9976 for preparation of 1 litre of main standard solution (1 litre of the ready-for-use solution contains 3.30 g of Na, 0.150 g of K, 0.100 g of Ca, 0.020 g of Mg) . . . . . .

9977 for preparation of 1 litre of blank solution for K (1 litre of the ready-for-use solution contains 3.30 g of Na, 0.000 g of K, 0.100 g of Ca) . . . . . .

Item No.

9978 for preparation of 1 litre of blank solution for Ca (1 litre of the ready-for -use solution contains 3.300 g of Na, 0.150 g of K, 0.000 g of Ca) . . . . . .

9979 for preparation of 1 litre of diluent solution acc. to Herrmann . . . . . .

9975 for preparation of 10 litres of diluent solution acc. to Herrmann . . . . . .

for determination of sodium, potassium and lithium by flame photometry

9985 for preparation of 1 litre of alkali stock solution acc. to Schuhknecht and Schinkel (1 litre of the ready-for-use solution contains 0.100 g of Na, 0.100 g of K, 0.100 g of Li) . . .

2037 Cesium chloride-aluminium nitrate buffer solution acc. to Schuhknecht and Schinkel . . .

9999 Glass rods for opening Titrisol ampoules . . . .

IV. Volumetric solutions

9086 0.005 M Barium perchlorate solution in 2-propanol/water . . . . . .

9092 0.1 N Cerium(IV) sulfate solution . . . . . .

9164 0.2 N Iodine solution acc. to Hanus . . . . . .

9163 0.2 N Iodine solution acc. to Wijs. . . . . .

9143 0.1 N Mercury(II) nitrate solution. . . . . .

9065 0.1 N Perchloric acid in anhydrous acetic acid for titrations in non–aqueous media . . . . . .

9351 0.5 N Potassium hydroxide solution in methanol .

9117 0.1 N Potassium palmitate solution for determination of water hardness acc. to Blacher . . . . . .

9080 1 N Silver nitrate solution . . . . . .

9150 Soap solution acc. to Boutron-Boudet (DIN 8106) . . . . . .

9076 0,1 N Sulfuric acid for fluorometry . . . . . .

9162 0.1 N Tetrabutylammonium hydroxide solution in 2-propanol/methanol for titrations in non–aqueous media . . . . . .

8124 0.1 N Tetramethylammonium hydroxide solution in 2-propanol/methanol for titrations in non–aqueous media . . . . . .

8419, 8420, 8429 Titriplex® solutions for determination of water hardness . . . . . .

3. Indicators, indicator papers and reagent papers

I. pH Indicators

Item No.

1016 Alizarin 21
pH 5.8–7.2 yellow to reddisch violet

6279 Alizarinsulfonic acid sodium salt 21
pH 4.3–6.3 yellow to violet

6776 Alizarin yellow GG 21
pH 10.0–12.1 light yellow to brownish yellow

1271 Alkali blue . . . . . .

3022 Bromochlorophenol blue . . . . . .
pH 3.0–4.6 yellow to purple

8121 Bromocresol green . . . . . .
pH 3.6–5.4 yellow to blue

3025 Bromocresol purple . . . . . .
pH 5.2–6.8 yellow to purple

8122 Bromophenol blue . . . . . .
pH 3.0–4.6 yellow to purple

3023 Bromophenol red . . . . . .
pH 5.2–6.8 orange-yellow to purple

3026 Bromothymol blue . . . . . .
pH 6.0–7.6 yellow to blue

3033 Bromoxylenol blue . . . . . .

3024 Chlorophenol red . . . . . .
pH 4.8–6.4 yellow to purple

1340 Congo red . . . . . .
pH 3.0–5.2 blueviolet to red orange

5228 m-Cresol purple . . . . . .
acid range pH 1.2–2.8 red to yellow
alkaline range pH 7.4–9.0 yellow to purple

5225 Cresol red . . . . . .
acid range pH 0.2–1.8 red to yellow
alkaline range pH 7.0–8.8 orange to purple

3464 2,4-Dinitrophenol (α-dinitrophenol) . . . . .
pH 2.8–4.7 colourless to yellow

3465 2,5-Dinitrophenol (γ-dinitrophenol) . . . . .
pH 4.0–5.8 colourless to yellow

3466 2,6-Dinitrophenol (β-dinitrophenol) . . . . .
pH 2.0–4.4 colourless to yellow

6810 Epsilon blue . . . . . .
pH 11.6–13.0 orange to violet

4305 Hematoxylin . . . . . .
pH 5.0–7.2 yellow to violet

9177 Indicator solution including colour scale . . . .
pH 0–5.0

Item No.

9176 Indicator solution including colour scale . . . .
pH 9.0–13.0

5312 Litmus extra pure . . . . . .
pH 5.0–8.0 red to blue

1322 Methyl orange . . . . . .
pH 3.1–4.4 red to yellow orange

6076 Methyl red . . . . . .
pH 4.4–6.2 red to yellow orange

6078 Methyl red sodium salt . . . . . .
pH 4.4–6.2 red to yellow orange

3055 Methyl yellow . . . . . .
pH 2.9–4.0 red to orange yellow

6130 Mixed indicator 5 for ammonia titrations . . . .
pH 4.4–5.8 red-violet to green

6246 1-Naphtholphthalein . . . . . .
pH 7.1–8.3 brownish to blue green

1369 Neutral red . . . . . .
pH 6.8–8.0 bluish-red to orange yellow

6794 3-Nitrophenol . . . . . .
pH 6.6–8.6 colourless to yellow orange

6798 4-Nitrophenol . . . . . .
pH 5.4–7.5 colourless to yellow

7233 Phenolphthalein . . . . . .
pH 8.2–9.8 colourless to red violet

7227 Phenolphtalein solution 1% in ethanol . . . . .
pH 8.2–9.8 colourless to red violet

7234 Phenolphthalein solution 1% in ethanol . . . .
(acc. to DAB 6) . . . . . .

7238 Phenolphthalein solution (DIN 8106) . . . . .

7241 Phenol red (phenolsulfonphthalein) . . . . . .
pH 6.4–8.2 yellow to red

8176 Thymol blue . . . . . .
acidic range pH 1.2–2.8 red to yellow
alkaline range pH 8.0–9.6 yellow to blue

8175 Thymolphthalein . . . . . .
pH 9.3–10.5 colourless to blue

9175 Universal indicator solution including colour scale . . . . . .
pH 4.0–10.0

8682 p-Xylenol blue . . . . . .

II. Indicators for nonaqueous titrations

Item No.	
1902	Blue BZL (oracet blue B, C. I. solvent blue 19)
3025	Bromocresol purple
8122	Bromophenol blue
1408	Crystal violet
3055	Methyl yellow
6202	1-Naphtholbenzein
7233	Phenolphthalein
2282	Quinaldine red
8175	Thymolphthalein

III. Adsorption indicators

6279	Alizarinsulfonic acid sodium salt
8122	Bromophenol blue
1345	Eosin yellowish
1355	Erythrosine
6076	Methyl red

IV. Oxidation and reduction indicators

1167	Amido black 10 B
4795	Cacotheline
3086	Diphenylamine
255	Diphenylamine-4-sulfonic acid barium salt
3091	Diphenylcarbazide
9193	$^1/_{40}$ M Ferroin solution
7225	1,10-Phenanthroline
7223	1,10-Phenanthrolinium chloride
8506	Variamine® blue

V. pH-Indicator strips and Indicator papers

Item No.

Special indicator strips (non-bleeding)

9540 pH 0–2.5
9541 pH 2.5–4.5
9542 pH 4.0–7.0
9543 pH 6.5–10.0
9545 pH 11.0–13.0
9531 Acilit® indicator strips pH 0–6.0
9533 Neutralit® indicator strips pH 5.0–10.0
9532 Alkalit® indicator strips pH 7.5–14

Special indicator papers

accurate to 0.2 pH units

9555 pH 3.8–5.4 including colour scale (booklets)
9556 pH 5.4–7.0 including colour scale (booklets)
9557 pH 6.4–8.0 including colour scale (booklets)
9558 pH 8.2–10.0 including colour scale (booklets)

accurate to 0.3 pH units

9566 pH 7.6–8.5 including colour scale (booklets)

Item No.

with accuracy up to 0.5 pH units

5960 Acilit® pH 0.5–5.0 including colour scale (rolls)
9564 Neutralit® pH 5.5–9.0 including colour scale (rolls)
9562 Alkalit® pH 9.5–13.0 including colour scale (rolls)
9565 pH Box containing Acilit® (pH 0.5–5.0), Neutralit® (pH 5.5–9.0) and Alkalit® (pH 9.5–13.0) including 3 colour scales (rolls)

Refills without colour scales for Acilit®, Neutralit®, Alkalit® and the pH-Box

9568 pH 0.5–5.0
9569 pH 5.5–9.0
9570 pH 9.5–13.0

9535 **Universal indicator strips** pH 0–14

Universal indicator paper pH 1–10

9525 including colour scale (booklets)
9526 including colour scale (rolls)
9527 refills without colour scales (rolls)

VI. Reagent papers

9514 Congo paper (booklets)
9511 Lead (II) acetate paper (booklets)
9486 Litmus paper blue (rolls)
9487 Litmus paper blue refills (rolls)
9516 Litmus paper blue (booklets)
9489 Litmus paper red (rolls)
9490 Litmus paper red refills (rolls)
9517 Litmus paper red (booklets)
9518 Litmus paper neutral (booklets)
9521 Phenolphthalein paper (booklets)
9512 Potassium iodide–starch paper (for detection of ozone) (booklets)
9576 Thioglycollate indicator paper (booklets)
9515 Turmeric paper (booklets)

10002 Merckoquant® Co^{++} Test
10003 Merckoquant® Cu^{+}/Cu^{++} Test
10004 Merckoquant® Fe^{++} Test
10008 Merckoquant®fixing-bath Test
10005 Merckoquant® Mn^{++} Test
10006 Merckoquant® Ni^{++} Test
10009 Silver Test for fixing baths

4. Buffer substances, buffer solutions and buffer Titrisols

I. Buffer substances

Item No.	
276	Barbital GR
6318	Barbital sodium GR
1910	*N,N*-Bis(2-hydroxyethyl)-glycine (bicine) for biochemistry
165	Boric acid cryst. GR
244	Citric acid GR
4201	Glycine GR
4716	Imidazole GR
6128	2-Morpholinoethanesulfonic acid (MES) for biochemistry
4873	Potassium dihydrogen phosphate GR
5099	*di*-Potassium hydrogen phosphate 3-hydrate GR
4874	Potassium hydrogen phthalate GR
5167	Potassium tetroxalate GR
6267 6268	Sodium acetate GR
6448	tri-Sodium citrate 2-hydrate GR
6346	Sodium dihydrogen phosphate 1-hydrate GR
6580	*di*-Sodium hydrogen phosphate 2-hydrate GR
6557	*di*-Sodium oxalate GR
6308	*di*-Sodium tetraborate cryst. GR
8379	Triethanolamine GR
8357	Triethanolamine hydrochloride GR
8382 8387	Tris(hydroxymethyl)-aminomethane GR
8602	*N*-[Tris(hydroxymethyl)-methyl]-glycine (tricine) for biochemistry

II. Buffer solutions

1645	Borate buffer solution pH 9.22 (0.01 M)
9401	Buffer solution pH 8.6 for serum electrophoresis
7294	Phosphate buffer solution pH 6.88 (0.025 M)
7295	Phosphate sodium hydroxide buffer solution pH 11.00 (0.025 M)
4875	$^1/_{15}$ M Potassium dihydrogen phosphate solution (buffer stock solution)
5168	0.05 M Potassium tetroxalate buffer solution pH 1.67
6587	$^1/_{15}$ M *di*-Sodium hydrogen phosphate solution (buffer stock solution)
7827	Standard acetate buffer solution pH 4.62 (0.2 M)
7576	Thymol buffer solution acc. to Maclagan (stock solution for 250 ml)

III. Buffer Titrisols

Titrisol® (DBP No. 971 376)

concentrated volumetric solution in special ampoule

for preparation of 500 ml of buffer solutions at intervals of whole pH units

Item No.		Item No.	
9881	pH 1.00 (glycocoll-hydrochloric acid)	9889	pH 9.00 (boric acid/potassium chloride-sodium hydroxide)
9882	pH 2.00 (citrate-hydrochloric acid)	9890	pH 10.00 (boric acid/potassium chloride-sodium hydroxide)
9883	pH 3.00 (citrate-hydrochloric acid)	9891	pH 11.00 (phosphate-sodium hydroxide)
9884	pH 4.00 (citrate-hydrochloric acid)	9892	pH 12.00 (phosphate-sodium hydroxide)
9885	pH 5.00 (citrate-sodium hydroxide)	9893	pH 13.00 (potassium chloride-sodium hydroxide)
9886	pH 6.00 (citrate-sodium hydroxide)		
9887	pH 7.00 (phosphate)		
9888	pH 8.00 (borate-hydrochloric acid)		

for the preparation of 1 litre of buffer solution acc. to Weise

9879	pH 7.20 (phosphate)

5. Uvasols for spectroscopy, deuterated compounds and scintillation chemicals

I. Uvasols (Uvasol®)

optically pure solvents for ultraviolet, infrared and NMR spectroscopy

Item No.	
22	Acetone
16	Acetonitrile
1404	4,4′-Azoxyanisole Licristal®
1405	4,4′-Azoxyphenetole Licristal®
1779	Benzene
1785	Benzene for fluorometry
1989	1-Butanol
2210	Carbon disulfide
209	Carbon tetrachloride
860	Cesium bromide
861	Cesium iodide
447	Chloroform
828	Cyclohexane for fluorometry
822	Cyclohexane
598	Cyclopentane
486	Cyclosilane
496	Decadeuterodiethyl ether
2919, 3428	Deuterium oxide
2903, 3420, 3432	Deuterochloroform
905	Deuterotrifluoroacetic acid
893	Di-*n*-butyl ether
953	1,2-Dichloroethane
048	Dichloromethane
046	Dichloromethane for fluorometry
483	Dideuterodichloromethane
907	Dideuteroformic acid
495	1,2-Dideutero-1,1,2,2-tetrachloroethane
930	Diethyl ether
3102	4,4′-Diheptyloxyazoxybenzene Licristal®
2960	4,4′-Dihexyloxyazoxybenzene Licristal®
3454	2,2-Dimethylbutane *n*-pentane (8:3)
2937	*N,N*-Dimethylformamide
2950	Dimethyl sulfoxide
2967	Dioxane
3416	Dodecadeuterocyclohexane
3442	Dodecadeuterotetramethylurea
969	Ethanol about 95%
2201	4-Ethoxy-4′-hexanoyloxyazobenzene Licristal®
863	Ethyl acetate
932	Ethylene carbonate
3419	Heptadeuterodimethylformamide
4366	*n*-Heptane
4325	Hexachlorobutadiene
25, 19	Hexadeuteroacetone
1789, 1784	Hexadeuterobenzene
3429, 2913	Hexadeuterodimethyl sulfoxide
3450	Hexadeuteroethanol
3443	Hexadeuteroethylene glycol
3475	Hexadeuteromethyl acetate
4520	Hexafluoroacetone (sesquideuterate)
4522	Hexafluoroacetone (trihydrate)
4519	1,1,1,3,3,3-Hexafluoro-2-propanol
4563	N,N,N,N,N,N-Hexamethylphosphoric triamide
4372	*n*-Hexane

I. Uvasols (Uvasol®) (contd.)

Item No.	
6002	Methanol
6000	Methanol for fluorometry
6056	2-Methylbutane
3470	Octadecadeuterobicyclo (4,4,0) decane
3479	Octadecadeuterohexamethylphosphoric triamide
6915	Octadeuterodioxane
3437	Octadeutero-2-propanol
3476	Octadeuterotetrahydrofuran
3436	Octadeuterotoluene
4725	*iso*-Octane for fluorometry
4718	*iso*-Octane
7161	Paraffin liquid
3491	Pentadeuterobenzonitrile
3438	Pentadeuteronitrobenzene
7459	Pentadeuteropyridine
7179	*n*-Pentane
7450	Poly-(chlorotrifluoroethylene) oil
7422	Polyethylene
4907	Potassium bromide
5044	Potassium iodide
993	2-Propanol
7460	Pyridine
7991	Sulfolane
9076	0,1 N Sulfuric acid for fluorometry
965	Tetrachloroethylene
2902	Tetradeuteroacetic acid
2915	Tetradeuteromethanol
8652	2,2,3,3-Tetradeutero-3(trimethylsilyl)-propionic acid sodium salt
8110	Tetrahydrofuran
8183	Tetramethylsilane
8132	Thallium(I) bromide
8331	Toluene
8239	1,1,2-Trichlorotrifluoroethane
2904	Trideuteroacetonitrile
2914	Trideuteronitromethane
8262	Trifluoroacetic acid
8258	2,2,2-Trifluoroethanol
8252	3-(Trimethylsilyl)-propanesulfonic acid sodium salt
8611	3-(Trimethylsilyl)-propionic acid sodium salt
8652	3-(Trimethylsilyl)-tetradeuteropropionic acid sodium salt

II. Deuterated compounds

3418	Bromopentadeuterobenzene
3473	Decadeuteroanthracene
3493	Decadeuterobenzoic anhydride
3496	Decadeuterodiethyl ether
3485	Decadeuterophenanthrene
3411	Deuterium bromide
2919	Deuterium oxide
3428	Deuterium oxide
3434	*tri*-Deuteroammonia solution
2908	*tetra*-Deuteroammonium chloride
3487	*tetra*-Deuteroammoniumdideuterophosphate
3478	*tri*-Deuteroboric acid
3414	Deuterobromoform
2903, 3420, 3432	Deuterochloroform
3439	*hexa*-Deuterohydrazinium sulfate
2900	Deuterohydrochloric acid
446	Deuteronitric acid
3498	Deuteroperchloric acid

II. Deuterated compounds (contd.)

Item No.	
3433	*tri*-Deuterophosphoric acid
3449	O-Deutero-2-propanol
2911	Deuterosodium hydroxide solution
2901	*di*-Deuterosulfuric acid 96–98%
2905	Deuterotrifluoroacetic acid
3417	1,4-Dibromotetradeuterobenzene
2917	1,2-Dibromotetradeuteroethane
3483	Dideuterodichloromethane
3482	Dideuteroformaldehyde about 30% in heavy water
2907	Dideuteroformic acid
3430	Dideuterooxalic acid
3495	1,2-Dideutero-1,1,2,2-tetrachloroethane
3416	Dodecadeuterocyclohexane
3442	Dodecadeuterotetramethylurea
3419	Heptadeuterodimethylformamide
3446	Hexadeuteroacetic anhydride
25 19	Hexadeuteroacetone
1789 1784	Hexadeuterobenzene
3426	Hexadeuterodimethylammonium chloride
3440	Hexadeuterodimethyl sulfate
3429 2913	Hexadeuterodimethyl sulfoxide
3450	Hexadeuteroethanol
3443	Hexadeuteroethylene glycol
3475	Hexadeuteromethyl acetate
4520	Hexafluoroacetone (sesquideuterate)
5673 5664	Lithium aluminium deuteride
5672	Lithium deuteride
5674	Lithium deuteride
3489	Methyl octadeuterobenzoate
3412	Monodeuteroacetic acid
3427	Monodeuteroethanol
2916	Monodeuteromethanol
3470	Octadecadeuterobicyclo (4,4,0)decane
3479	Octadecadeuterohexamethylphosphoric triamide
3489	Octadeuterobenzoic acid methyl ester
3494	Octadeutero-1,4-dibromobutane
6915	Octadeuterodioxane
3445	Octadeuteronaphthalene
3437	Octadeutero-2-propanol
3481	Octadeuterosulfolane
3476	Octadeuterotetrahydrofuran
3436	Octadeuterotoluene
3471	2,3,4,5,6-Pentadeuteroaniline
1754	Pentadeuterobenzaldehyde
3488	Pentadeuterobenzoic acid
3491	Pentadeuterobenzonitrile
3490	Pentadeuterobenzoyl chloride
1810	Pentadeuterobenzyl alcohol
3448	Pentadeuteroethyl bromide
3438	Pentadeuteronitrobenzene
7459	Pentadeuteropyridine
3484	Perdeuteroparaformaldehyde
3410	Perdeuteropolyethylene
10101	Perdeuteropolystyrene
4879	Potassium dideuterophosphate
3435	Sodium borodeuteride
6334	*di*-Sodium deuterophosphate
2902	Tetradeuteroacetic acid
3415	Tetradeuteroethylene glycol
3431	Tetradeuteromalonic acid
2915	Tetradeuteromethanol
8652	2,2,3,3-Tetradeutero-3(trimethylsilyl)-propionic acid sodium salt
2904	Trideuteroacetonitrile
3447	Trideuteroacetyl chloride
2909	Trideuteromethylammonium chloride
2910	Trideuteromethyl bromide
3413	Trideuteromethyl iodide
2914	Trideuteronitromethane
3472	Undecadeuterodimethylaniline

III. Scintillation chemicals

a) scintillators

Item No.		Item No.	
1454	Anthracene	7248	2,2′-*p*-Phenylene-bis(4-methyl-5-phenyloxazole) (dimethyl-POPOP)
1666	4,4‴-Bis(2-butyloctyloxy)-p-quaterphenyl	7249	2,2′-*p*-Phenylene-bis(5-phenyloxazole) (POPOP)
2946	2,5-Diphenyloxazole (PPO)	7887	*trans*-Stilbene
2943	4,4′-Diphenylstilbene	8099	*p*-Terphenyl
6200	Naphthalene	8147	1,1,4,4-Tetraphenyl-1,3-butadiene (TPB)
6242	2-(1-Naphthyl)-5-phenyloxazole (ANPO)		

b) solvents

2951	Dimethyl sulfoxide (DMSO)	876	1 M *N*-Ethyl-*N*-dodecyl-*N,N*-dimethylammonium hydroxide in methanol
3118	Dioxane	6010	Methanol
966	Ethanol	8317	Toluene
843	Ethanolamine	8687	Xylene

c) solutions ready for use
mixtures ready for use

2016	Cadmium propionate	8027	Szintifix® T
8024	Szintifix® Cd 25	8028	Szintimix I
8025	Szintifix® Cd 50	8029	Szintimix II
8026	Szintifix® D		

6. Preparations for chromatography

I. Adsorbents and supports

In the case of adsorbents in powder form the letter "G" indicates that the material contains gypsum as binder. Grades with the letter "H" contain neither gypsum nor organic binders. "F" indicates the presence of fluorescent indicators; the figures in the subscripts give the wavelengths at which these additives fluoresce. Grades with the letter "P" are intended for preparative layer chromatography. "R" indicates specially purified adsorbents.

a) for thin layer chromatography

Item No.	
1090	Aluminium oxide G (type E)
1092	Aluminium oxide GF_{254} (type E)
1085	Aluminium oxide H basic (type E)
1094	Aluminium oxide HF_{254} basic (type E)
1105	Aluminium oxide basic (type T)
1101	Aluminium oxide neutral (type T)
1106	Aluminium oxide acidic (type T)
2330	Cellulose microcrystalline
2336	PEI-cellulose
8129	Kieselguhr G
5864	Magnesium oxide
7435	Polyamide 11

Item No.	
7731	Silica gel G acc. to Stahl
7730	Silica gel GF_{254} acc. to Stahl
7736	Silica gel H acc. to Stahl
7739	Silica gel HF_{254} acc. to Stahl
7741	Silica gel $HF_{254+366}$ acc. to Stahl
7744	Silica gel HR extra pure acc. to Stahl
7762	Silica gel macroporous type 150
7764	Silica gel macroporous type 500
7766	Silica gel macroporous type 1000
7761	Silica gel H silanised
7750	Silica gel HF_{254} silanised

b) for preparative layer chromatography

1103	Aluminium oxide PF_{254} (type E)
1104	Aluminium oxide $PF_{254+366}$ (type E)
1064	Aluminium oxide PF_{254} (type T)
1065	Aluminium oxide $PF_{254+366}$ (type T)

7747	Silica gel PF_{254}
7748	Silica gel $PF_{254+366}$
7749	Silica gel PF_{254} containing $CaSO_4$
7751	Silica gel PF_{254} silanised

c) for columm chromatography

No.	Item
1076	Aluminium oxide active basic (activity I) . . . .
1067	Aluminium oxide active basic (type E, activity I)
1077	Aluminium oxide active neutral (activity I) . . .
1078	Aluminium oxide active acidic (activity I) . . . .
1066	Aluminium oxide acidic for determination of morphine acc to Ph Internat II . . . . .
1097	Aluminium oxide standardised for the chromatographic adsorption analysis acc. to Brockmann (activity II-III) . . . . .
2331	Cellulose microcrystalline . . . . .
2305	Cellulose monoacetate . . . . .
3198	ECTEOLA-cellulose . . . . .
2337	PEI-cellulose
2186	Charcoal activated . . . . .
	Ion exchanger I, II, III, IV, V
	Merckogel® OR types . . . . .
	Merckogel® SI types . . . . .

No.	Item
2939	Permutit® T (Decalso, activated) . . . . .
7729	Silica gel less than 0.08 mm . . . . .
7754	Silica gel 0.05–0.20 mm extra pure . . . . .
7734	Silica gel 0.05–0.20 mm . . . . .
7733	Silica gel 0.2–0.5 mm . . . . .
7719	Silica gel 0.05–0.20 mm (70–325 mesh ASTM) silanised . . . . .
7738	Silica gel activated, standardised for analysis of wax acc. to Spengler . . . . .
7755	Silica gel fine with fluorescent indicator for FIA analysis . . . . .
7752	Silica gel fine for FIA analysis . . . . .
7756	Silica gel coarse for FIA analysis . . . . .

II. Auxiliary materials

No.	Item
6747	Adhesive tape for thin layer chromatography (for peeling off thin layer chromatograms with Neatan®)
9182	Fluorescent indicator F_{254} for thin layer chromatography . . . . .
9352	Mixture of test-dyes (hydrophilic) . . . . .
9353	Mixture of test-dyes (liphophilic) . . . . .
6746	Neatan® for thin layer chromatography

III. Pre-coated TLC and PLC plates, TLC aluminium sheets and rolls, TLC plastic sheets

In the case of pre-coated items for TLC and PLC the designations "G", "H" or "P" used after the adsorbents in their powder form are dispensed with. The coatings of the items (plates, aluminium foil, plastic sheets) consist of the same basic material as the corresponding adsorbents in powder form. Addition of gypsum is not necessary; the abrasion-resistance of all the pre-coated items is achieved by means of small amounts of an inert and at the same time highly effective binder. The letter "F" indicates the presence of a fluorescent indicator; the figures in the subscripts give the wavelength at wich these indicators fluoresce.

No.	Item
5713	TLC plates Aluminium oxide F_{254} (type E) precoated 20 cm×20 cm layer thickness 0.25 mm
5731	TLC plates Aluminium oxide F_{254} (type E) precoated 5 cm×20 cm layer thickness 0.25 mm
5727	TLC plates Aluminium oxide F_{254} (type T) precoated 20 cm×20 cm layer thickness 0.25 mm
5732	TLC plates Aluminium oxide F_{254} (type T) precoated 5 cm×20 cm layer thickness 0.25 mm
5550	TLC aluminium sheets Aluminium oxide neutral F_{254} (type E) pre-coated 20 cm×20 cm layer thickness 0.20 mm . . . . .
5551	TLC aluminium sheets Aluminium oxide neutral F_{254} (type T) pre-coated 20 cm×20 cm layer thickness 0.20 mm . . . . .

III. Pre-coated TLC and PLC plates, TLC Aluminium sheets and rolls, TLC plastic sheets

Item No.

5726 PLC plates Aluminium oxide F_{254} (type T) pre-coated 20 cm×20 cm for preparative thin layer chromatography . . . . . .

5716 TLC plates Cellulose (without fluorescent indicator) pre-coated 20 cm×20 cm . . . . . .

5730 TLC plates Cellulose (without fluorescent indicator) pre-coated 10 cm×20 cm . . . . . .

5718 TLC plates Cellulose F pre-coated 20 cm×20 cm

5728 TLC plates Cellulose F pre-coated 10 cm×20 cm

5725 TLC plates PEI-cellulose F pre-coated 20 cm×20 cm . . . . . .

5552 TLC Aluminium sheets Cellulose (without fluorescent indicator) pre-coated 20 cm×20 cm layer thickness 0.10 mm . . . . . .

5563 TLC Aluminium rolls Cellulose (without fluorescent indicator) pre-coated 500 cm×20 cm layer thickness 0.10 mm . . . . . .

5566 TLC Aluminium sheets PEI-cellulose F pre-coated 20 cm×20 cm layer thickness 0.15 mm . . . .

5738 TLC plates Kieselguhr F_{254} pre-coated 20 cm×20 cm . . . . . .

5568 TLC Aluminium sheets Kieselguhr F_{254} pre-coated 20 cm×20 cm layer thickness 0.25 mm . . . .

5569 TLC Aluminium sheets Magnesium silicate F_{254} pre-coated 20 cm×20 cm layer thickness 0.25 mm . .

5555 TLC Aluminium sheets polyamide 11 F_{254} pre-coated 20 cm×20 cm layer thickness 0,15 mm . . . .

5724 TLC plates Silica gel (without fluorescent indicator) pre-coated 5 cm×20 cm layer thickness 0.25 mm . . . . . .

5721 TLC plates Silica gel (without fluorescent indicator) pre-coated 20 cm×20 cm layer thickness 0.25 mm . . . . . .

Item No.

5719 TLC plates Silica gel F_{254} pre-coated 5 cm×10 cm layer thickness 0.25 mm . . . . . .

5714 TLC plates Silica gel F_{254} pre-coated 5 cm×20 cm layer thickness 0.25 mm . . . . . .

5729 TLC plates Silica gel F_{254} pre-coated 10 cm×20 cm layer thickness 0.25 mm . . . . . .

5715 TLC plates Silica gel F_{254} pre-coated 20 cm×20 cm layer thickness 0.25 mm . . . . . .

5737 TLC plates Silica gel F_{254} fast running, pre-coated (Silica gel/Kieselguhr) 20 cm×20 cm layer thickness 0.25 mm . . . . . .

5553 TLC Aluminium sheets Silica gel (without fluorescent indicator) pre-coated 20 cm×20 cm layer thickness 0.25 mm . . . . . .

5554 TLC Aluminium sheets Silica gel F_{254} pre-coated 20 cm×20 cm layer thickness 0.25 mm. . . . .

5562 TLC Aluminium rolls Silica gel F_{254} pre-coated 500 cm×20 cm layer thickness 0.20 mm. . . . .

5567 TLC Aluminium sheets Silica gel F_{254} fast running, pre-coated (Silica gel/Kieselguhr) 20 cm×20 cm layer thickness 0.25 mm . . . . . .

5564 TLC Alumium rolls Silica gel F_{254} fast running, pre-coated (Silica gel/Kieselguhr) 500 cm×20 cm, layer thickness 0.20 mm . . . . . .

5717 PLC plates Silica gel F_{254} pre-coated 20 cm×20 cm for preparative layer chromatography layer thickness 2 mm. . . . . .

5733 PLC plates Silica gel F_{254} pre-coated 20 cm×40 cm for preparative layer chromatography. . . . . .

5735 TLC plastic sheets silica gel F_{254} pre-coated 20 cm×20 cm layer thickness 0.25 mm. . . . .

IV. Solvents and impregnating agents

90062 Acetic acid glacial min. 96% GR . . . . . .

90063 Acetic acid glacial 100% GR . . . . . .

42 Acetic anhydride GR. . . . . .

14 Acetone GR . . . . . .

15 Acetonitrile for synthesis (LAB). . . . . .

9600 Acetylacetone GR. . . . . .

5423 Ammonia solution about 10% GR . . . . . .

5432 Ammonia solution min. 25% GR

1134 Ammonium carbamate (ammonium carbonate) GR

1230 *n*-Amyl acetate GR . . . . . .

IV. Solvents and impregnating agents (contd.)

Item No.	
975	*n*-Amyl alcohol GR
979	*iso*-Amyl alcohol GR
1261	Aniline GR
1783	Benzene crystallisable GR
9626	Benzyl alcohol GR
1812	Benzylamine for synthesis (LAB)
1645	Borate buffer solution pH 9.22 (0.01 M)
165	Boric acid cryst. GR
9401	Buffer solution pH 8.6 for serum electrophoresis
1990	1-Butanol (n-butyl alcohol) GR
9630	2-Butanol (sec-butyl alcohol) GR
984	*iso*-Butanol (iso-butyl alcohol) GR
9629	*tert*-Butanol (tert-butyl alcohol, 2-methyl-2-propanol) GR
9652	*n*-Butyl acetate GR
2222	Carbon tetrachloride GR
945	2-Chloroethanol for synthesis (LAB)
2445	Chloroform GR
2505	Cinnamaldehyde for synthesis (LAB)
244	Citric acid GR
2635	2,4,6-Collidine GR
9666	Cyclohexane GR
3222	Dibutylamine for synthesis (ORG)
2892	Di-*n*-butyl ether for synthesis (LAB)
955	1,2-Dichloroethane extra pure Erg B 6
6050	Dichloromethane GR
3116	Diethanolamine for synthesis (LAB)
3010	Diethylamine for synthesis (LAB)
3131	Diethylene glycol for synthesis (LAB)
921	Diethyl ether GR
3034	*N,N*-Dimethylformamide for synthesis (LAB)
2912	Dimethyl sulfoxide for synthesis (LAB)
9671	Dioxane GR
867	Di-*iso*-propyl ether GR
972	Ethanol absolute GR
9623	Ethyl acetate GR
9622	Ethyl acetoacetate for synthesis (LAB)
9621	Ethylene glycol GR
856	Ethylene glycol dimethyl ether for synthesis (LAB)
857	Ethylene glycol monoethyl ether for synthesis (LAB)
859	Ethylene glycol monomethyl ether GR
891	Ethyl formate for synthesis (LAB)
9708	Ethyl methyl ketone GR
4003	Formaldehyde solution 35% w/w GR
9684	Formamide GR
264	Formic acid 98–100% GR
4094	Glycerol redistilled GR
9688	*n*-Hexane for synthesis (LAB)
316	Hydrochloric acid min. 25% GR
9970	1 N Hydrochloric acid Titrisol®
5679	Lithium chloride GR
5734	2,4-Lutidine
5650	2,6-Lutidine
6009	Methanol GR
9711	Methyl acetate for synthesis (LAB)
6146	Methyl-*iso*-butyl ketone extraction solvent, analytical grade
6770	Nitrobenzene for synthesis (LAB)
7159	Paraffin in block form solidification point 42–44° C
7155	Paraffin in block form solidification point 51–53° C
7163	Paraffin in block form solidification point 57–60° C
7177	*n*-Pentane about 99% GR
9718	Petroleum GR
1774	Petroleum benzine GR boiling-range 60–80° C
1775	Petroleum benzine GR boiling-range 40–60° C
206	Phenol GR
7294	Phosphate buffer solution pH 6.88 (0.025 M)
9722	2-Picoline for synthesis (LAB)
9724	Piperidine GR
9726	Polyethylene glycol 400 for gas chromatography
9729	Polyethylene glycol 1 000 for gas chromatography
9727	Polyethylene glycol 4 000 for gas chromatography
9732	Polyethylene glycol 20 000 for gas chromatography
4873	Potassium dihydrogen phosphate GR

IV. Solvents and impregnating agents

Item No.	
4875	$^1/_{15}$ M Potassium dihydrogen phosphate solution
5099	*di*-Potassium hydrogen phosphate 3-hydrate GR
997	1-Propanol (propyl alcohol) GR
9634	2-Propanol (*iso*-propyl alcohol) GR
605	Propionic acid (LAB)
9728	Pyridine GR
9762	Silicone oil 550 for gas chromatography
1512	Silver nitrate GR
6268	Sodium acetate anhydrous GR
6404	Sodium chloride cryst. GR
6580	*di*-Sodium hydrogen phosphate 2-hydrate GR
6587	$^1/_{15}$ M *di*-Sodium hydrogen phosphate solution
7827	Standard acetate buffer solution pH 4.62
7993	Sulfolane for synthesis (LAB)
9981	1 N Sulfuric acid Titrisol®
804	L(+)-Tartaric acid GR
964	Tetrachloroethylene extra pure
9731	Tetrahydrofuran GR
9638	Tetrahydrofurfuryl alcohol GR
9733	1,2,3,4-Tetrahydronaphthalene
8325	Toluene GR
807	Trichloroacetic acid GR
8288	1,2,4-Trichlorobenzene for gel chromatography
958	Trichloroethylene extra pure
8379	Triethanolamine GR
8352	Triethylamine for synthesis (LAB)
9795	*n*-Undecane GR
8686	Xylene (LAB)

V. Ready for use spray reagents

1266	Aniline phthalate
1998	Bromocresol green
9677	2′,7′-Dichlorofluorescein
3056	4-Dimethylaminobenzaldehyde
531	Molybdatophosphoric acid
6758	Ninhydrin
7598, 7597	Rhodamine B

VI. Reference substances for chromatography

8006	Alkaloids and Glycosides
8003, 8004	Amino acids collection A and B
8010	Hypnotics
8005	Sugars and sugar alcohols
8007	Vitamins

VII. Preparations for gas chromatography

a) Solid adsorbents and inert solid supports

Item No.	
9631	Charcoal activated 0.3–0.5 mm (35–50 mesh ASTM)
9624	Charcoal activated 0.5–0.75 mm (20–35 mesh ASTM)
9749	Kieselguhr 0.15–0.2 mm (70–100 mesh ASTM)
9697	Kieselguhr 0.2–0.3 mm (45–70 mesh ASTM)
9752	Kieselguhr 0.3–0.6 mm (30–50 mesh ASTM)
9748	Kieselguhr silanised 0.2–0.3 mm (45–70 mesh ASTM)
9753	Kieselguhr silanised 0.3–0.6 mm (30–50 mesh ASTM)
9713	Molecular sieve 5 Å 0.2–0.5 mm (35–70 mesh ASTM)

b) Pure stationary phases for gas partition chromatography

9642	Apiezon®-grease L
9627	Benzo[h]quinoline (7,8-benzoquinoline)
9672	Bis(2-ethylhexyl) sebacate
9612	Bis(3,3,5-trimethylcyclohexyl) phthalate
9610	Di-*n*-butyl maleate
9668	2,4-Dimethylsulfolane
9678	Dimethyl sulfoxide
9669	Dinonyl phthalate
9673	*N,N*-Diphenylformamide
9739	Ethylene glycol succinate
9619	Fractonitril® II [ethylene glycol bis(2-cyanoethyl ether)]
9787	Fractonitril® III [1,2,3-tris(2-cyanoethoxy)-propane]
9601	Fractonitril® VI [1,2,3,4,5,6-hexakis(2-cyanoethoxy)-hexane] from sorbitol
9741	Neopentyl glycol sebacate
9742	Neopentyl glycol succinate
9726	Polyethylene glycol 400
9729	Polyethylene glycol 1000
9727	Polyethylene glycol 4000
9732	Polyethylene glycol 20000
9746	Reoplex 400®
9761	Silicone grease
9762	Silicone oil 550
9763	Silicone rubber (dimethylpolysiloxane)
9714	Sodium caproate
9766	Squalane
9791	Tri-*p*-cresyl phosphate
9792	Tri-2,4-xylyl phosphate

c) Reference substances

Inserted in each packing is a fractogram indicating the retention volume under the conditions stated

Item No.	
9646	Benzene
9656	*d*+Camphor
9663	Cyclohexane
9667	Cyclohexanol
9664	Cyclohexanone
9662	Cyclopentane
9603	*n*-Decane
9682	2,2-Dimethylbutane
9683	2,3-Dimethylbutane
9659	2,2-Dimethylhexane
9654	2,3-Dimethylhexane
9661	2,4-Dimethylhexane
9657	3,4-Dimethylhexane
9679	2,3-Dimethylpentane
9674	2,4-Dimethylpentane
9658	*n*-Dodecane
9635	Ethylbenzene
9617	3-Ethylhexane
9709	Ethyl methyl ketone
9615	3-Ethyl-2-methylpentane
9618	3-Ethylpentane
9604	*n*-Heptadecane
9686	*n*-Heptane
9605	*n*-Hexadecane
9687	*n*-Hexane
9620	Methyl arachate
9625	Methyl behenate
9643	2-Methylbutane
9648	Methyl butyrate
9637	Methyl caprate
9614	Methyl caproate
9633	Methyl caprylate
9704	Methylcyclohexane
9712	Methylcyclopentane
9758	Methyl elaidate
9744	Methyl enanthate
9757	Methyl erucate
9698	2-Methylheptane
9699	3-Methylheptane
9694	4-Methylheptane
9702	2-Methylhexane
9703	3-Methylhexane
9693	Methyl laurate
9764	Methyl lignocerate
9756	Methyl linoleate
9754	Methyl margarate
9736	Methyl myristate
9651	Methyl nonadecanoate
9743	Methyl oleate
9737	Methyl palmitate
9738	Methyl pelargonate
9641	Methyl pentadecanoate
9706	2-Methylpentane
9707	3-Methylpentane
9602	Methyl stearate
9782	Methyl tridecanoate
9796	Methyl undecanoate
9793	Methyl 10-undecenoate
9781	Methyl valerate
6833	*n*-Nonane
9606	*n*-Octadecane
9716	*n*-Octane
9689	*iso*-Octane
9607	*n*-Pentadecane
9719	*n*-Pentane
9608	*n*-Tetradecane
9609	*n*-Tridecane
9788	2,2,3-Trimethylbutane
9783	2,2,3-Trimethylpentane
9784	2,3,3-Trimethylpentane
9786	2,3,4-Trimethylpentane
9794	*n*-Undecane
9798	*o*-Xylene
9797	*m*-Xylene
9799	*p*-Xylene

d) Auxiliary reagents

Item No.		
1630	Boron tribromide	
1647	Boron trifluoride-ethyl ether complex	
2333	Chlorotrimethylsilane	
9653	Heptafluorobutyric anhydride	
4324	1,1,1,3,3,3-Hexamethyldisilazane	
8261	Trifluoroacetic anhydride	
8255	Trichloromethylsilane	

7. Preparations for synthesis

I. Synthesis adjuvants (LAB)

Item No.	
4	Acetaldehyde
26	Acetamidinium chloride
90063	Acetic acid glacial 100%
42	Acetic anhydride
14	Acetone
15	Acetonitrile
28	Acetophenone
23	Acetylacetone
31	Acetyl chloride
834	Acrylonitrile
1013	L(+)Alanine methyl ester hydrochloride
974	Allyl alcohol
1059	Aluminium acetylacetonate
1068	Aluminium bromide anhydrous
1073	Aluminium *tert*-butylate
1082 1081	Aluminium chloride anhydrous sublimed
1079	Aluminium *iso*-propylate
1113	2-Aminopyridine
1309	4-Amino-4H-1,2,4-triazole
975	*n*-Amyl alcohol
1261	Aniline
1452	Anisole
1461	Anthrone
7838	Antimony(III) chloride
7837	Antimony(V) chloride
7839	Antimony(III) fluoride
164	L-Aspartic acid-β-benzylester
125	L-Aspartic acid dimethyl ester hydrochloride
1595	α,α'Azo-*iso*-butyronitrile
1423	Azoxybenzene

Item No.	
133	Barbituric acid
1707	Barium 2-cyanoethyl phosphate
1783	Benzene crystallisable
470	Benzenesulfonyl chloride
1644	Benzhydrol
1762	Benzidine
1632	Benzil
136	Benzoic acid
1800	Benzonitrile
1801	Benzophenone
2410	*p*-Benzoquinone
1646	Benzotrifluoride
1804	Benzoyl chloride
1641	Benzoyl peroxide 97%
9626	Benzyl alcohol
1812	Benzylamine
1815	Benzyl bromide
1809	Benzyl chloride
879	Benzyl chloroformate solution
1811	Benzyl cyanide
1900	S-Benzyl-L-cysteine
1905	S-Benzyl-L-cysteine methyl ester hydrochloride
1696	N^{im}-Benzyl-L-histidine
2374	*N*-Benzyloxycarbonyl-L-alanine
2433	N^{α}-Benzyloxycarbonyl-L-asparagine
2379	*N*-Benzyloxycarbonyl-L-aspartic acid
2495	*N*-Benzyloxycarbonyl-L-aspartic acid-β-benzyl ester
2401	*N*-Benzyloxycarbonyl-S-benzyl-L-cysteine
2434	N^{α}-Benzyloxycarbonyl N^{im}-benzyl-L-histidine
2402	*N*-Benzyloxycarbonyl-O-benzyl-L-tyrosine
2376	*N*-Benzyloxycarbonyl-L-glutamic acid

Item No.	
2435	*N*-Benzyloxycarbonyl-L-glutamic acid-γ-benzylester
2375	*N*-Benzyloxycarbonyl-L-glutamine
2367	*N*-Benzyloxycarbonylglycine
2368	N^{α}-Benzyloxycarbonyl-L-histidine hydrazide
2403	*N*-Benzyloxycarbonyl-4-hydroxy-L-proline
2497	0-Benzyloxycarbonyl-N-hydroxysuccinimide
2377	*N*-Benzyloxycarbonyl-L-leucine dicyclohexylammonium salt
2372	*N*-Benzyloxycarbonyl-L-*iso*-leucine dicyclohexylammonium salt
2369	N^{ε}-Benzyloxycarbonyl-L-lysine
2378	N^{ε}-Benzyloxycarbonyl-L-lysine methyl ester hydrochloride
2436	*N*-Benzyloxycarbonyl-L-methionine
2405	N^{α}-Benzyloxycarbonyl-N^{ω}-nitro-L-arginine
2409	N^{δ}-Benzyloxycarbonyl-L-ornithine methyl ester hydrochloride
2370	*N*-Benzyloxycarbonyl-L-phenylalanine
2371	*N*-Benzyloxycarbonyl-L-proline
2373	*N*-Benzyloxycarbonyl-L-serine
2437	*N*-Benzyloxycarbonyl-L-threonine
2438	N^{α}-Benzyloxycarbonyl-L-tryptophan
2439	*N*-Benzyloxycarbonyl-L-valine
1816	Benzyltrimethylammonium hydroxide solution about 40% in methanol
1911	*O*-Benzyl-L-tyrosine
1965	2-(4-Biphenylyl)-2-propanol
1678	Bis(2-chloroethyl) ether
9653	Bis(heptafluorobutyric) anhydride
1671	Bis(2-nitrophenyl) disulfide
1960	Bis(tributyltin) oxide
8261	Bis(trifluoroacetic) anhydride
9649	Bis(trimethylsilyl)-acetamide
1630	Boron tribromide
1647	Boron trifluoride-ethyl ether complex
1663	Boron trifluoride-methanol complex
1658	2-Bromoacetophenone
1635	3-Bromocamphor-8-sulfonic acid
1634	3-Bromocamphor-10-sulfonic acid
1667	1-Bromopropane
1668	2-Bromopropane
1669	3-Bromopropyne
1933	2-Bromopyridine
1949	*N*-Bromosuccinimide
1637	4-Bromotoluene
8271	Bromotriphenylmethane
1952	Brucine
1990	1-Butanol
9630	2-Butanol
984	*iso*-Butanol
9629	*tert*-Butanol
1908	*N*-(*tert*-Butoxycarbonyl)-L-alanine
1936	N^{α}-(*tert*-Butoxycarbonyl)-L-asparagine
1830	N-(*tert*-Butoxycarbonyl)-L-aspartic acid β-benzyl ester
2414	*N*-(*tert*-Butoxycarbonyl)-S-benzyl-L-cysteine
2475	N^{α}-(tert-Butoxycarbonyl)-N^{im}-benzyl-L-histidine
2440	N^{α}-(*tert*-Butoxycarbonyl)-N^{ε}-(benzyloxycarbonyl)-L-lysine dicyclohexylammonium salt
1928	*N*-(*tert*-Butoxycarbonyl)-0-benzyl-L-tyrosine
1939	*N*-(*tert*-Butoxycarbonyl)-L-glutamic acid γ-benzyl ester dicyclohexylammonium salt
1955	*N*-(*tert*-Butoxycarbonyl)-glycine
2404	N^{α}-(*tert*-Butoxycarbonyl)-L-histidine hydrazide
1956	*N*-(*tert*-Butoxycarbonyl)-L-leucine
2493	*N*-(*tert*-Butoxycarbonyl)-L-*iso*-leucine, dicyclohexylammonium salt
1937	*N*-(*tert*-Butoxycarbonyl)-L-methionine dicyclohexylammonium salt
2415	N^{α}-(*tert*-Butoxycarbonyl)-N^{ω}-nitro-L-arginine
1953	*N*-(*tert*-Butoxycarbonyl)-L-phenylalanine
1938	*N*-(*tert*-Butoxycarbonyl)-L-proline
2418	*N*-(*tert*-Butoxycarbonyl)-L-serinehydrazide
1954	*N*-(*tert*-Butoxycarbonyl)-L-threoninehydrazide
2480	N^{α}-(*tert*-Butoxycarbonyl)-L-tryptophan
1951	*N*-(*tert*-Butoxycarbonyl)-L-valine dicyclohexylammonium salt
9652	*n*-Butyl acetate
2189	*tert*-Butyl acetate
1656	*tert*-Butyl carbazate
2358	*iso*-Butyl chloroformate

Item No.	
1660	*n*-Butyllithium about 20% in hexane
1973	*tert*-Butyl peracetate about 50% in dimethyl phthalate
1661	γ-Butyrolactone
2005	Cadmium(II) acetylacetonate
2053	Calcium granular
2109	Calcium oxide from marble
2214	Carbon disulfide
2222	Carbon tetrachloride
2301	1,1'-Carbonyldiimidazole
2626	*N*-Carbonylsulfamoyl chloride
2361	Chloranil
2412	Chloroacetamide
412	Chloroacetic acid cryst.
2411	Chloroacetyl chloride
2596	1-Chloro-1H-benzotriazole
1640	1-Chlorobutane
945	2-Chloroethanol
2448	*N*-2-Chloroethyl-N,N-dimethylammonium chloride
2496	Chloromethyldimethylchlorsilane
2314	5-Chloro-1-phenyltetrazole
2333	Chlorotrimethylsilane
8348	Chlorotriphenylmethane
2485	Chromium(III) acetylacetonate
2482	Chromium(II)-chloride anhydrous
229	Chromium(VI) oxide
2506	Cinchonine
2505	Cinnamaldehyde
244	Citric acid
2527	Cobalt(II) acetylacetonate
2528	Cobalt(III) acetylacetonate
2550	Cobalt aluminium alloy (Raney Cobalt)
2635	2,4,6-Collidine
2712	Copper(II) acetylacetonate
2728	Copper-chromium oxide powder
9692	*o*-Cresol
9691	*m*-Cresol
2650	Crotonic acid

Item No.	
2866	Cyanoacetamide
9666	Cyclohexane
2885	Cyclohexylamine
2829	*N*-Cyclohexyl-*N'*-[β-(*N*-methylmorpholino)-ethyl]-carbodiimide p-toluene sulfonate
3101	Decahydronaphthalene
3405	*n*-Decane
3463	1-Decanol
3603	1,5-Diazabicyclo[4,3,0]non-5-ene
3456	1,4-Diazabicyclo [2,2,2] octane
3282	1,8-Diazabicyclo [5,4,0] undec-7-ene
2927	Dibenzoyl-L(+) tartaric acid
548	Dibenzyl phosphite
3458	1,2-Dibromobenzene
3600	1,3-Dibromo-5,5-dimethyl-2,4-imidazolidinedione
2921	1,6-Dibromohexane
2892	Di-*n*-butyl ether
3539	Dibutyltin oxide
2940	2,3-Dichloro-5,6-dicyano-*p*-benzoquinone
3452	Dichlorodimethylsilane
3453	Dichlorodiphenylsilane
3209	1,1-Dichloroethylene
3030	α-Dichlorohydrin
6050	Dichloromethane
3467	(Dichloromethyl) methyl ether
2948	Dicyclohexylamine
2954	*N,N'*-Dicyclohexylcarbodiimide
3038	Dicyclopentadiene
3116	Diethanolamine
3010	Diethylamine
2898	Diethyl carbonate
3131	Diethylene glycol
2933	Diethylene glycol dibutyl ether
2932	Diethylene glycol diethyl ether
2934	Diethylene glycol dimethyl ether
3129	Diethylene glycol monobutyl ether
3127	Diethylene glycol monoethyl ether
3128	Diethylene glycol monomethyl ether
921	Diethyl ether

Item No.	
3605	Diethyl ketone
378	Diethyl maleate
898	Diethyl malonate
7060	Diethyl oxaloacetate sodium derivative
7059	Diethyl oxalate
680	Diethyl succinate
3105	Diethyl sulfate
3103	Diethyl sulfite
6069	2,5-Dihydro-3-methyl-1-phenylphosphol-1-oxide
2971	3,4-Dihydro-2*H*-pyran
3596	3,5-Dimethoxybenzyl 4-nitrophenyl carbonate
2936	2,2-Dimethoxypropane
2961	2,5-Dimethoxytetrahydrofuran
29	Dimethyl acetylenedicarboxylate
3057	4-Dimethylaminobenzaldehyde
3052	Dimethylammonium chloride
3060	*N,N*-Dimethylaniline
3034	*N,N*-Dimethylformamide
3066	*N,N*-Dimethylformamide diethyl acetal
3068	*N,N*-Dimethylformamide dimethyl acetal
899	Dimethyl malonate
3071	Dimethyl sulfate
3639	Dimethyl sulfite
2912	Dimethyl sulfoxide
3075	3,5-Dinitrobenzoyl chloride
3080	2,4-Dinitrophenylhydrazine
141	3,5-Dinitrosalicylic acid
9671	Dioxane
2942	*N,N'*-Diphenylethylenediamine
3088	Diphenyl phosphorochloridate
3649	Di-*iso*-propylcarbodiimide
866	Di-*iso*-propyl ether
894	*N,N*-Di-*iso*-propylethylamine
3602	1,3-Dithiane
3462	1-Dodecanol
2969	Dodecyl hydrogen sulfate sodium salt
3296	Epichlorohydrin
3202	Epoxystyrene
795	1,2-Ethanedithiol
849	Ethanolamine
9623	Ethyl acetate
9622	Ethyl acetoacetate
836	Ethyl acrylate
874	Ethylammonium chloride
871	Ethyl bromide
1636	Ethyl bromoacetate
413	Ethyl chloroacetate
881	Ethyl chloroformate
882	Ethyl cyanoacetate
907	*N*-Ethyl-N'-(3-dimethylaminopropyl)-carbodiimide hydrochloride
3461	Ethyl 1,3-dioxo-2-*iso*-indolinecarboxylate
900	Ethylene carbonate
947	Ethylenediamine
942	Ethylenediamine mono-4-toluenesulfonate
9621	Ethylene glycol
856	Ethylene glycol dimethyl ether
857	Ethylene glycol monoethyl ether
858	Ethylene glycol monomethyl ether
7291	Ethylene glycol monophenyl ether
891	Ethyl formate
1238	2-Ethyl-7-hydroxy-1,2-benzisoxazolium tetrafluoroborate
896	Ethyl iodide
935	3-(2-Ethyl-5-isoxazolio)-benzenesulfonate
9708	Ethyl methyl ketone
7286	Ethyl phenylacetate
8332	Ethyl *p*-toluenesulfonate
902	Ethyl trimethylsilyl malonate
1019	Ethyltriphenylphosphonium bromide
2965	Fluorobenzene
9684	Formamide
264	Formic acid 98–100%
4082	Girard's reagent P
4083	Girard's reagent T
297	L-Glutamic acid γ-benzyl ester
293	L-Glutamic acid dimethyl ester hydrochloride
4101	Glyoxal disodium hydrogen sulfite
4192	Glyoxal hydrate trimer
4523	Heptafluorobutyryl chloride
396	Hexacarbonylmolybdenum

Item No.

4521 Hexafluoroacetone (sesquihydrate)
4514 Hexafluorobenzene
4515 1,1,1,3,3,3-Hexafluoro-2-propanol
4324 1,1,1,3,3,3-Hexamethyldisilazane
4516 *N,N,N,N,N,N*-Hexamethylphosphoric triamide
9688 *n*-Hexane
4393 1-Hexanol
4353 L-Histidine methyl ester dihydrochloride
4511 Hydantoine
4604 Hydrazinium hydroxide about 80%
4608 Hydrazinium hydroxide about 100%
303 Hydrogen bromide solution in glacial acetic acid 40%
4616 Hydroxylammonium chloride
4512 4-Hydroxy-4-methyl-2-pentanone
4528 *N*-Hydroxyphthalimide
4513 1-Hydroxypiperidine
4529 4-Hydroxy-L-proline methyl ester hydrochloride
4518 *N*-Hydroxysuccinimide
4771 Iodine monochloride
4772 Iodine trichloride
4744 2-Iodoacetamide
374 Iodoacetic acid
4781 Iodosobenzene diacetate
3912 Iron(III) acetylacetonate
3945 Iron(III) chloride anhydrous
5193 Kojic acid
7418 Lead(IV) acetate
7383 Lead(II) chloride
5365 L-Leucine methyl ester hydrochloride
4742 L-*iso*-Leucine methyl ester hydrochloride
5662 Lithium (wire)
5661 Lithium aluminium hydride
5678 Lithium amide
5667 Lithium hydrido-*tri*-*tert*-butoxoaluminate
5691 Lithium hydroxide
5734 2,4-Lutidine
5817 Magnesium turnings acc. to Grignard
380 Maleic acid
408 Maleic anhydride
763 D(+)Malic acid

Item No.

384 L(–)Malic acid
387 Malonic acid
6189 Malononinitrile
6914 D(–)Mandelic acid
5922 Manganese(II) acetylacetonate
5923 Manganese(III) acetylacetonate
5958 Manganese(IV) oxide precipitated, granular
5740 2-Mercaptoethanol
4419 Mercury(II) chloride
5964 Merrifield resin about 5% chlorine
6021 Methanesulfonyl chloride
6009 Methanol
5702 L-Methionine methyl ester hydrochloride
7058 Methoxalic anhydride
9711 Methyl acetate
6020 Methylammonium chloride
6096 *N*-Methylaniline
6146 Methyl-*iso*-butyl ketone
2413 Methyl chloroacetate
6147 Methylcyclohexane
6169 *N*-Methylformanilide
4198 Methyl glycinate hydrochloride
6074 2-Methylnaphthalene
6072 1-Methyl-2-pyrrolidone
6023 3-Methylsulfolane
5706 S-Methyl-*iso*-thiouronium sulfate
8333 Methyl *p*-toluenesulfonate
8406 *N*-Methyl-*N*-(tosyl)-nitrosamide
8263 Methyl trifluoroacetate
6116 Methyltriphenylphosphonium bromide
402 Molybdenyl acetylacetonate
6127 Morpholine
6715 Nickel(II) acetylacetonate
6749 Nickel aluminium alloy (Raney Nickel)
6860 N^{ω}-Nitro-L-arginine
6867 N^{ω}-Nitro-L-arginine methyl ester hydrochloride
6770 Nitrobenzene
6769 3-Nitrobenzoyl chloride
547 4-Nitrophenyl phosphorodichloridate
6838 *n*-Nonane
6910 *n*-Octane

7

Item No.	
480	Osmium (VIII) oxide
495	Oxalic acid
7066	Oxalyl chloride
7103	Palladium(II)acetylacetonate
7105	Palladium-barium sulfate
7106	Palladium-calcium carbonate
7104	Palladium-charcoal activated
7110	Palladium(II) chloride
7107	Palladium(II) oxide
7042	Pentachlorophenol
7114	Pentadecafluorooctanoic acid
7177	*n*-Pentane about 99%
7209	Perhydrol®
524	Periodic acid cryst.
9718	Petroleum
206	Phenol
7263	L-Phenylalanine methyl ester hydrochloride
7255	Phenyl *iso*-cyanate
7292	4-Phenyl-3,5-dihydro-4*H*-1,2,4-triazole-3,5-dione
9721	o-Phenylenediamine
7261	1,2-Phenylenedioxytrichlorophosphorane
7031	D(+) 1-Phenylethylamine
7047	L(–) 1-Phenylethylamine
7112	d-*N*-(1-Phenylethyl)-phthalamic acid
7115	l-*N*-(1-Phenylethyl)-phthalamic acid
7111	d-*N*-(1-Phenylethyl)-succinamic acid
7113	l-*N*-(1-Phenylethyl)-succinamic acid
7253	Phenylhydrazinium chloride
8360	Phenyl trifluoroacetate
7290	Phenyltrimethylammonium tribromide
7270	Phosphorus amorphous
9611	Phthalic acid
592	Phthalic anhydride
7303	Phthalimide
7302	Phthalimide potassium
9722	2-Picoline
623	Picric acid
9724	Piperidine
7358	Platinum-asbestos
7339	Platinum-charcoal activated
7345	Platinum(II) chloride
7347	Platinum(IV) chloride anhydrous
7346	Platinum(IV) oxide
7471	Polyphosphoric acid
4815	Potassium
4918	Potassium *tert*-butylate
4957	Potassium cyanate
7430	L-Proline benzylester hydrochloride
997	1-Propanol
9634	2-Propanol
3138	*iso*-Propenyl acetate
605	Propionic acid
7477	Propylamine
9728	Pyridine
7470	2-Pyridinecarbaldehyde
1916	Pyrocatechol
612	Pyrogallol
7494	Pyrrolidine
218	Quinic acid
2304	Quinine
	p-Quinone see *p*-Benzoquinone
7593	Resorcinol
7632	Rhodium(III) chloride 3-hydrate
640	Salicylaldehyde
7714	Selenium powder black
653	Selenium dioxide
7722	Semicarbazide hydrochloride
7912	L(-)Serine methyl ester hydrochloride
7706	Silicontetrachloride
1504	Silver acetate
6289	Sodium aluminium hydride
6685	Sodium amide 50% suspension, in toluene
6373	Sodium borohydride
6341	Sodium dihydrido-bis(2-methoxyethoxo)-aluminate
6507	Sodium dithionite

Item No.	
6455	Sodium formaldehyde sulfoxylate
6836	Sodium hydride suspension 20% in white oil
6586	*di*-Sodium hydrogen phosphate
6538	Sodium methylate
6549	Sodium nitrite cryst.
6558	Sodium oxide
6597	Sodium *meta*-periodate
6578	*tri*-Sodium phosphate 12-hydrate
7680	Stearyl alcohol
682	Succinic acid
683	Succinic anhydride
7971	Succinimide cryst.
686	Sulfanilic acid
7993	Sulfolane
7997	Sulfuryl chloride
799	D(–) Tartaric acid
804	L(+) Tartaric acid
8281	1,1,2,2-Tetrachloroethane
8146	Tetradecyl alcohol
658	Tetraethyl orthosilicate
9731	Tetrahydrofuran
9638	Tetrahydrofurfuryl alcohol
9733	1,2,3,4-Tetrahydronaphthalene
8182	Tetrahydropyran
8205	Tetramethylurea
8102	Tetraphenylstannane
8137	Thallium(I) bromide
8154	Thionyl chloride
8157	Thiophene
7979	Thiourea
7815	Tin(II) chloride
8307	Titanium(III) chloride solution
808	Titanium(IV) oxide
8305	Titanyl acetylacetonate
767	4-Toluene sulfonohydrazide
9613	4-Toluenesulfonic acid
8326	4-Toluenesulfonyl chloride
8312	o-Toluidine
8297	1,3,5-Triazine
8358	Tributylamine
8390	Tributyltin chloride
807	Trichloroacetic acid
8222	Trichloroacetonitril
8255	Trichloromethylsilane
8352	Triethylamine
549	Triethyl phosphite
8260	Trifluoroacetic acid
8259	2,2,2-Trifluoroethanol
885	Trimethyl orthoformiate
8428	*N,N,N*-Trimethyl-*N*-phenylammonium chloride
553	Trimethyl phosphite
8741	*N*-(Trimethylsilyl)-diethylamine
8653	Triphenylarsine
8270	Triphenylphosphine
551	Triphenyl phosphite
8265	Tris(triphenylphosphine) rhodium(I) chloride
8384	*dl*-Tropic acid
8385	Tropine
8401	L-Tryptophan methyl ester hydrochloride
8366	L(–)Tyrosine methyl ester hydrochloride
9795	*n*-Undecane
821	Valeric acid
8496	L(+) Valine methyl ester hydrochloride
8505	Vanadium(IV) oxide acetylacetonate
8669	Xanthone
8686	Xylene
8697	*o*-Xylene
8691	*p*-Xylene
8803	Zinc(II) acetylacetonate
8756	Zinc coarse powder
8915	Zirconium(IV)acetylacetonate

II. Starting products and intermediates (ORG)

Item No.	
1366	Acetaldehyde diethyl acetal
73	2-Acetamidoacrylic acid
106	4-Acetamidobenzaldehyde
75	4-Acetamidocinnamic acid
78	Acetoacetanilide
79	Acetoacet-1-naphthylamide
80	Acetoacet-*p*-phenetidide
81	Acetoacet-2,4-xylidide
121	α-Acetobromoglucose
76	Acet-*o*-toluidide
77	Acet-*p*-toluidide
82	Acetylacetaldehyde glycol acetal
147	Acetylenedicarboxylic acid
110	2-Acetyl-4-hydroxybutyric acid lactone
148	3-Acetylindol
1414	4-Acetylmorpholine
155	3-Acetylpyridine
156	4-Acetylpyridine
175	2-Acetylthiophene
176	*cis*-Aconitic acid
178	Acrolein
830	Acrylamide
181	Acrylic acid
826	Acryloyl chloride
1337	1-Adamantanecarboxylic acid
1339	1-Adamantanol
87	Adipamide
92	Adiponitrile
89	Adipoyl dichloride
1456	Allyl acrylate
256	Allylamine
1021	Allyl bromide
257	Allyl chloride
258	Allyl cyanide
580	Allyl methacrylate
260	Allyl *iso*-thiocyanate
368	Aminoacetaldehyde dimethyl acetal
262	*p*-Aminoacetanilide
362	2-Aminoanthraquinone
1418	4-Aminobenzamide
467	4-Aminobenzenearsonic acid
104	3-Aminobenzoic acid
1419	2-Aminobenzonitrile
1420	2-Aminobenzophenone
390	2-Aminobenzotrifluoride
391	3-Aminobenzotrifluoride
1410	2-Amino-1-butanol
1629	4-Aminobutyraldehyde diethyl acetal
145	6-Aminocaproic acid
1312	2-Amino-5-chlorobenzophenone
2607	3-Amino-4-chlorobenzotrifluoride
482	5-Amino-4-chloro-2-methylbenzenesulfonic acid sodium salt
2609	2-Amino-4-chlorophenol
405	4-Aminodiphenylamine hydrochloride
360	*N*-(2-Aminoethyl)-ethanolamine
1417	1-Aminoguanidinium hydrogen carbonate
8229	2-Amino-5-methylbenzenesulfonic acid sodium salt
8228	4-Amino-3-methylbenzenesulfonic acid sodium salt
416	4-Amino-3-methylphenol
415	5-Amino-2-methylphenol
1464	2-Amino-2-methyl-1,3-propanediol
1465	2-Amino-2-methyl-1-propanol
385	2-Amino-3-methylpyridine
386	2-Amino-4-methylpyridine
417	2-Amino-6-methylpyridine
1001	6-Aminonicotinamide
418	2-Amino-4-nitrophenol
419	2-Aminophenol
420	3-Aminophenol
421	4-Aminophenol
422	4-Aminophenylacetic acid
1246	5-Amino-*iso*-phthalic acid
7476	2-Aminopropane

Item No.	
7020	1-Amino-2-propanol
423	3-Amino-1-propanol
1009	DL-2-Aminopropanol
1011	L-2-Aminopropanol
1442	1-(3-Aminopropyl)-4-methylpiperazine
1338	2-Aminopyrazine
1110	3-Aminopyridine
1111	4-Aminopyridine
1270	2-Aminopyrimidine
426	4-Aminosalicylic acid
1298	(5-Amino-1,3,3-trimethylcyclohexylmethyl)-amine
7500	*n*-Amyl alcohol
429	Anethole
460	Anise alcohol
461	*o*-Anisidine
462	*m*-Anisidine
458	*p*-Anisidine
465	Anthraquinone
3266	4-Azaheptamethylenediamine
1445	7-Azaindole
1229	4-Aza-4-methylheptamethylenediamine
189	Azelanitrile
184	Azodicarboxamide
2191	Benzamide
468	Benzenesulfonic acid
1299	1,3,5-Benzenetricarboxylic acid
131	Benzoic anhydride
1268	2-Benzothiazolylamine
2454	Benzotrichloride
2195	Benzoylacetone
137	2-Benzoylbenzoic acid
1518	2-Benzoylpyridine
1520	4-Benzoylpyridine
1679	2-Benzoylthiophene
3181	Benzylacetate
1521	Benzylacetone
2198	2-Benzylaminoethanol
239	Benzyl cinnamate
1697	*N*-Benzylethylamine
1516	Benzylideneacetone

Item No.	
1580	Benzylideneacetophenone
1581	Benzylidenephthalide
2226	Benzylmercaptan
1681	N-Benzylmethylamine
1523	Benzyl methyl ketone
1822	1-Benzyl-4-piperidinone
1586	Benzyl propyl ketone
1585	Benzyl-*iso*-propyl ketone
1524	2-Benzylpyridine
1525	4-Benzylpyridine
2255	S-Benzyl-*iso*-thiuronium chloride
3090	Biphenyl
1683	4-Biphenylcarboxylic acid
2256	2,2′-Biphenyldicarboxylic acid
1959	4-Biphenylol
1579	1,3-Bis(aminomethyl)-benzene
1970	1,4-Bis(3-aminopropyl)-piperazine
8674	1,4-Bis(chloromethyl)-benzene
8125	4,4′-Bis(dimethylamino)-benzophenone
8227	4,4′-Bis(dimethylamino)-diphenylmethane
1453	Bis(2-ethylhexyl) adipate
1558	Bis(2-ethylhexyl)-amine
1317	Bis(2-ethylhexyl) azelate
267	Bis(2-ethylhexyl) fumarate
1971	1,4-Bis(2-hydroxyethyl)-piperazine
1610	1,4-Bis(hydroxymethyl)-cyclohexane
3258	Bis(4-hydroxyphenyl) sulfone
3504	*N,N*-Bis(2-hydroxypropyl)-ethanolamine
1972	1,4-Bis(2-hydroxypropyl)-piperazine
4174	Bis(triphenylphosphine)-palladium(II) chloride
1657	Bromoacetaldehyde diethyl acetal
2260	Bromoacetic acid
1628	1-Bromoadamantane
1600	4-Bromoaniline
1601	4-Bromoanisole
4146	4-Bromobenzaldehyde
1602	1-Bromobutane
1548	2-Bromobutane
469	2-Bromobutyric acid
1674	1-Bromo-3-chlorobenzene

Item No.	
4154	1-Bromo-2-chloroethane
2622	1-Bromo-3-chloro-2-methylpropane
1612	2-Bromo-5-chloro-1-nitrobenzene
1627	1-Bromo-3-chloropropane
1676	1-Bromodecane
1535	Bromodiphenylmethane
3268	1-Bromododecane
1373	1-Bromo-2-ethylbenzene
4554	1-Bromoheptane
4306	1-Bromohexadecane
1603	1-Bromohexane
2261	2-Bromohexanoic acid
1528	5-Bromoisatin
1675	2-Bromomesitylene
427	1-Bromo-3-methylbutane
1985	1-Bromo-2-nitrobenzene
1969	1-Bromooctane
1604	1-Bromopentane
428	2-Bromopentane
4166	2-Bromophenol
2396	2-Bromopropionic acid
2397	3-Bromopropionic acid
1934	3-Bromopyridine
1975	5-Bromosalicylic acid
1531	ω-Bromostyrene
8223	1-Bromotetradecane
1659	2-Bromothiophene
1986	Bromotrichloromethane
1964	1,3-Butanediol
1532	1,4-Butanediol
1997	1,3-Butanediol diacrylate
1996	1,4-Butanediol diacrylate
1563	1,4-Butanediol dimethacrylate
1596	1,4-Butanediol divinyl ether
1587	1-Butanethiol
1818	2-Butanethiol
1529	*cis*-2-Butene-1,4-diol

Item No.	
747	3-Butenoic acid
1607	3-Buten-2-ol
1395	2-Butoxyethyl acetate
1609	3-Butoxypropylamine
1622	*N-tert*-Butylacrylamide
832	*n*-Butyl acrylate
1451	*iso*-Butyl acrylate
1539	*n*-Butylamine
1545	*iso*-Butylamine
1540	*sec*-Butylamine
1546	*tert*-Butylamine
1547	2-(*tert*-Butylamino)-ethanol
581	2-*tert*-Butylaminoethyl methacrylate
1978	1-(Butylamino)-2-propanol
1755	Butyl benzoate
1549	*iso*-Butyl bromide
1966	*tert*-Butyl bromide
1550	*tert*-Butyl chloride
1846	Butyl *iso*-cyanate
1619	4-*tert*-Butylcyclohexanol
1620	4-*tert*-Butylcyclohexanone
1623	1,3-Butylene sulfite
1552	*N-tert*-Butylformamide
1551	*N*-Butyl-2,2′-iminobis(ethanol)
1979	*N*-Butyl-1,1′-iminodi-(2-propanol)
585	Butyl methacrylate
586	*iso*-Butyl methacrylate
786	Butyl 3-pyridine carboxylate
787	Butyl 4-pyridine carboxylate
1987	4-*tert*-Butylpyrocatechol
1847	Butyl vinyl ether
8546	*iso*-Butyl vinyl ether
1537	2-Butyne-1,4-diol
1555	*n*-Butyraldehyde
1556	*iso*-Butyraldehyde
457	*n*-Butyric acid
472	*iso*-Butyric acid

Item No.	
503	Butyric anhydride
504	*iso*-Butyric anhydride
4805	*iso*-Butyronitrile
1589	Butyrophenone
1977	Butyryl chloride
1976	*iso*-Butyryl chloride
3211	Capraldehyde
2169	Capric acid
2182	Capric chloride
2672	Caproaldehyde
198	Caproic acid
2800	ε-Caprolactam
2801	ε-Caprolactone
2557	Capronitrile
191	Caproyl chloride
6901	Caprylaldehyde
192	Caprylic acid
205	Caprylonitrile
199	Caprylyl chloride
2646	Chloroacetaldehyde diethyl acetal
2678	2-Chloroacetaldehyde dimethyl acetal
2605	4-Chloroacetophenone
2875	2-Chloroacrylonitrile
2611	2-Chloroaniline
2612	3-Chloroaniline
2613	4-Chloroaniline
2455	4-Chloroanthranilic acid
2679	2-Chloroanthraquinone
2453	4-Chlorobenzaldehyde
475	4-Chlorobenzenesulfonyl chloride
463	2-Chlorobenzoic acid
473	3-Chlorobenzoic acid
476	4-Chlorobenzoic acid
2696	2-Chlorobenzonitrile
2610	4-Chlorobenzophenone
2615	2-Chlorobenzotrifluoride
2617	4-Chlorobenzotrifluoride
2618	4-Chlorobenzoyl chloride
2619	4-Chlorobenzyl chloride
2620	4-Chlorobenzyl cyanide
2292	2-(4-Chlorobenzyl)-pyridine
2293	4-(4-Chlorobenzyl)-pyridine
2673	3-Chloro-1-butene
2516	4-Chlorobutyraldehyde diethyl acetal
2590	4-Chlorobutyryl chloride
3212	1-Chlorodecane
2608	4-Chloro-2,5-dimethoxyaniline
2677	1-Chloro-3,3-dimethylbutane
1561	Chlorodiphenylmethane
3285	*N*-2-Chloroethyl-*N*,*N*-diethylammonium chloride
2663	*N*-(2-Chloroethyl) di-*iso*-propylammonium chloride
7508	*N*-(2-Chloroethyl)-piperidine hydrochloride
2339	1-Chlorohexadecane
2806	6-Chloro-1-hexanol
2614	5-Chloro-2-methoxyaniline
2671	2-Chloro-6-methoxypyridine
2640	2-Chloro-6-methylaniline
2643	3-Chloro-2-methylaniline
2639	3-Chloro-4-methylaniline
2642	4-Chloro-2-methylaniline
2641	5-Chloro-2-methylaniline
2360	1-(Chloromethyl)-naphthalene
2631	3-Chloro-6-methyl-4-nitroaniline
2295	4-Chloro-3-methylphenol
2459	3-Chloromethyl-1-methylpiperidinium chloride
2674	1-Chloro-2-methyl-1-propene
2869	*N*-(3-Chloro-2-methylpropyl)-*N*,*N*-dimethylammonium chloride
2624	2-Chloro-4-nitroaniline
2625	4-Chloro-2-nitroaniline
6232	2-Chloronitrobenzene
6231	3-Chloronitrobenzene
6233	4-Chloronitrobenzene
478	2-Chloro-4-nitrobenzoic acid

Item No.	
479	4-Chloro-3-nitrobenzoic acid
488	5-Chloro-2-nitrobenzoic acid
6280	4-Chloro-3-nitrobenzotrifluoride
2627	2-Chloro-4-nitrophenol
2628	4-Chloro-2-nitrophenol
2629	2-Chloro-3-nitropyridine
2630	2-Chloro-5-nitropyridine
2632	2-Chloro-4-nitrotoluene
2636	2-Chloro-6-nitrotoluene
2648	3-Chloro-4-nitrotoluene
2633	4-Chloro-2-nitrotoluene
2634	4-Chloro-3-nitrotoluene
2649	5-Chloro-2-nitrotoluene
6903	1-Chlorooctane
2253	2-Chlorophenol
2254	4-Chlorophenol
2595	4-Chlorophenoxyacetic acid
2699	α-Chlorophenylacetyl chloride
2602	3-Chlorophenyl *iso*-cyanate
2688	4-Chlorophenyl *iso*-cyanate
2809	2-Chloropropane
2637	3-Chloro-1,2-propanediol
2638	3-Chloro-1-propanol
2603	1-Chloro-2-propanone
2810	2-Chloropropionic acid
2794	3-Chloropropionitrile
2680	3-Chloropropionyl chloride
2666	*N*-(3-Chloropropyl)-*N*,*N*-diethylammonium chloride
3240	*N*-(2-Chloropropyl)-*N*,*N*-dimethylammonium chloride
3241	*N*-(3-Chloropropyl)-*N*,*N*-dimethylammonium chloride
7062	3-Chloro-1-propyne
2621	6-Chloro-2-pyridinol
2200	2-Chloro-3-pyridylamine
2217	5-Chloro-2-pyridylamine
2684	3-Chloroquinuclidine
2811	*N*-Chlorosuccinimide
474	2-Chloro-4-sulfobenzoic acid potassium salt
2488	2-Chlorothiophene
2651	2-Chlorotoluene
2652	3-Chlorotoluene
2653	4-Chlorotoluene
236	Cinnamoyl chloride
2504	Cinnamyl alcohol
1362	Citraconic acid
1363	Citraconic anhydride
2489	Citral
5223	*p*-Cresol
2667	Crotonaldehyde
2814	Crotononitrile
2654	Crotyl alcohol
2655	Crotyl chloride
2681	Cumene
2491	1-Cyanoguanidine
2815	Cyanuric chloride
2675	Cyclododecanol
2676	Cyclododecanone
2818	1,5,9-Cyclododecatriene
2881	Cyclododecylamine
2460	Cycloheptanol
2462	Cycloheptanone
2288	Cyclohexanecarbaldehyde
2823	Cyclohexanecarbonitrile
2871	1,2-Cyclohexanediamine
2882	1,2-Cyclohexanediol
2883	1,3-Cyclohexanediol
2664	1,4-Cyclohexanediol
2884	Cyclohexanethiol
2824	Cyclohexene
2825	3-Cyclohexenecarboxylic acid
2820	Cyclohexylacetylene
2886	2-(Cyclohexylamino)-ethanol
2296	Cyclohexyl bromide
215	Cyclohexyl ethyl ketone
2796	N-Cyclohexyl-2,2′-iminodiethanol
2872	N-Cyclohexyltrimethylenediamine
2665	1,5-Cyclooctadiene
2661	Cyclooctanol
2662	Cyclooctanone

Item No.	
2669	Cyclopentanol
2670	Cyclopentanone
2821	Cyclopentylacetylene
2774	Cyclopentyl bromide
483	Cyclopropanecarboxylic acid
2834	Cystaminium dichloride
1319	Cysteamine
2835	Cysteaminium chloride
3561	1,10-Decanediol
6082	2-Decanone
3782	3-Decanone
3213	Deoxybenzoin
3528	Diacetyl
3521	Diallylamine
3532	Diallyl ether
3289	Diallyl phthalate
484	3,4-Diaminobenzoic acid
3555	4,4′-Diaminodicyclohexylmethane
3220	4,4′-Diaminodiphenylmethane
3569	4,4′-Diaminodiphenylsulfide
3572	2,6-Diamino-4-methyl-1,3,5-triazine
3573	2,6-Diamino-4-phenyl-1,3,5-triazine
3574	2,6-Diamino-4-*iso*-propyl-1,3,5-triazine
3616	2,3-Diaminopyridine
3575	2,6-Diaminopyridine
3618	4,4′-Diamino-2,2′-stilbenedisulfonic acid
3559	Dibenzosuberone
3533	Dibenzylamine
1522	Dibenzyl ether
3549	Dibenzyl sulfoxide
3621	1,3-Dibenzylthiourea
3535	1,4-Dibromobenzene
3275	1,4-Dibromobutane
3276	1,7-Dibromoheptane
3278	1,5-Dibromopentane
3279	1,3-Dibromopropane
3560	2,3-Dibromo-1-propanol
3280	2,5-Dibromothiophene
3222	Dibutylamine
3223	Di-*iso*-butylamine
3537	Di-*sec*-butylamine
3221	2-(Dibutylamino)-ethanol
268	Dibutyl fumarate
919	Dibutyl phthalate
7710	Di-*n*-butyl sebacate
4184	Dibutyltin dichloride
3292	*N,N*-Dibutyltrimethylenediamine
3541	Dichloroacetic acid
3628	Dichloroacetyle chloride
3238	1,2-Dichlorobenzene
3225	1,3-Dichlorobenzene
3226	1,4-Dichlorobenzene
3227	1,4-Dichlorobutane
4186	Dichlorochloromethylmethylsilane
3524	*trans*-1,2-Dichloroethylene
3632	1,6-Dichlorohexane
3031	β-Dichlorohydrin
3902	*N*-(Dichloromethylene)-aniline
4187	Dichloro-(methyl)-vinylsilane
3774	2,4-Dichlorophenol
3508	1,2-Dichloropropane
3633	1,3-Dichloropropane
3778	3,5-Dichloropyridine
3036	Dicyclopentadienyltitanium dichloride
3027	Dicyclopentadienylzirconium dichloride
406	2,5-Diethoxyaniline
3287	1,2-Diethoxycyclobutenedione
3214	*N,N*-Diethylacetamide
74	Diethyl acetamidomalonate
86	Diethyl adipate
279	Diethyl allylmalonate
3554	1-(Diethylamino)-4-pentanone
188	Diethyl azelate
1265	Diethyl benzylmalonate
1274	Diethyl butylmalonate
3550	*N,N*-Diethylcarbamoyl chloride
2594	Diethyl chloromalonate
3614	Diethyl diallylmalonate
1360	Diethyl diethylmalonate
3530	Diethylene glycol ethyl ether acetate

Item No.	
3274	Diethylenetriamine
3273	*N,N*-Diethylethanolamine
1446	Diethyl ethoxymethylenemalonate
3215	*N,N*-Diethylethylenediamine
906	Diethyl ethylmalonate
266	Diethyl fumarate
903	Diethyl 1-methylbutylmalonate
5900	Diethyl 2-methyl-2-phenylmalonate
905	Diethyl 1-methylpropylmalonate
663	Diethyl pimelate
3288	2,2-Diethyl-1,3-propanediol
7356	Diethyl *iso*-propylmalonate
757	Diethyl sebacate
5215	Diethyl suberate
3520	1,3-Diethylthiourea
3217	*N,N*-Diethyltrimethylenediamine
3635	2,5-Dihydrofuran
3228	3,4-Dihydro-2*H*-pyran-2-carboxylic acid sodium salt
3230	3,4-Dihydro-2*H*-pyran-2-ylmethanol
738	2,4-Dihydroxybenzoic acid
739	2,6-Dihydroxybenzoic acid
737	3,5-Dihydroxybenzoic acid
3500	1,2-Dihydroxy-3,4-cyclobutenedione
3510	2,4-Dimethoxyacetophenone
3231	2,5-Dimethoxyacetophenone
424	2,4-Dimethoxyaniline
407	2,5-Dimethoxyaniline
3637	3,4-Dimethoxybenzonitrile
3232	3,4-Dimethoxybenzyl alcohol
3234	3,4-Dimethoxycinnamaldehyde
3235	*N,N*-Dimethylacetamide
1375	Dimethyl acetonedicarboxylate
3237	2-Dimethylaminoethanol
587	2-Dimethylaminoethyl methacrylate
4242	3-(Dimethylaminomethyl)-indole
3247	1-(Dimethylamino)-2-propanol
3643	3-(Dimethylamino)-1-propanol
3239	1-(Dimethylamino)-2-propylamine
8672	2,5-Dimethylaniline
8671	2,6-Dimethylaniline
8670	3,4-Dimethylaniline

Item No.	
8667	3,5-Dimethylaniline
3206	*N,N*-Dimethylbenzylamine
3905	3,3-Dimethyl-2-butanone
1304	3,3-Dimethylbutyric acid
3556	Dimethylcarbamoyl chloride
3645	*N,N*-Dimethyl-3-chloro-2-methylpropyl-ammoniumchloride
3577	*cis*-1,2-Dimethylcyclohexane
3243	*N,N*-Dimethylcyclohexylamine
3779	N,N-Dimethylethylenediamine
3245	1,2-Dimethylimidazole
4814	Dimethyl itaconate
6030	Dimethyl methyl succinate
3769	2,3-Dimethylphenol
3770	2,4-Dimethylphenol
3771	2,5-Dimethylphenol
3772	2,6-Dimethylphenol
3773	3,4-Dimethylphenol
3565	4,5-Dimethyl-*o*-phenylenediamine
918	Dimethyl phthalate
3580	1,4-Dimethylpiperazine
3246	2,5-Dimethylpiperazine
3780	2,6-Dimethylpiperidine
3507	2,2-Dimethyl-1,3-propanediol
1336	2,2-Dimethylpropionic acid
3566	2,6-Dimethyl-3-pyridylamine
3526	*N,N*-Dimethylsulfamoyl chloride
3284	Dimethyl sulfone
8177	Dimethyl terephthalate
3236	4,5-Dimethyl-2-thiazolylamine
4193	Dimethyltin dichloride
3503	*N,N*-Dimethyltrimethylenediamine
3244	*N,N'*-Dimethylurea
3248	2,4-Dinitroaniline
3250	2,4-Dinitroanisole
3119	1,2-Dinitrobenzene
3120	1,4-Dinitrobenzene
3252	1,5-Dinitronaphthalene
3515	2,4-Dinitrotoluene
3516	2,6-Dinitrotoluene
3517	3,4-Dinitrotoluene

Item No.	
3544	Dioctyltin oxide
3553	1,3-Dioxolane
486	Diphenylacetic acid
3259	Diphenylacetonitrile
3545	Diphenyl carbonate
3511	1,2-Diphenylethanol
3512	1,2-Diphenylethylamine
3558	Diphenylmercury
3513	Diphenylmethane
3546	Diphenylolpropane
3261	Diphenyl-2-pyridylmethane
3262	Diphenyl-3-pyridylmethane
3263	Diphenyl-4-pyridylmethane
8188	Diphenyl terephthalate
3581	1,3-Diphenylthiourea
3264	Di-*iso*-propanolamine
3548	Dipropylamine
3646	Di-*iso*-propylamine
3286	2-(Di-*iso*-propylamino)-ethanol
3265	Dipropylene glycol
3267	Di-2-pyridylamine
487	2,2-Dithiodibenzoic acid
3582	Dithioterephthalic acid
116	Divinyl adipate
3598	Divinylbenzene
3290	Dodecamethylenediamine
3293	Dodecanedinitrile
1305	Dodecanedioic acid
3501	1,12-Dodecanediol
3592	3-Dodecanone
1460	Dodecyl acrylate
3527	Dodecylamine
589	Dodecyl methacrylate
3506	1-Dodecyloxy-2,3-epoxypropane
3178	3-Eicosanone
3161	Embonic acid monopotassium salt
6918	Enanthaldehyde
7582	Enanthic acid
7581	Enanthonitrile
3163	Epibromohydrin
609	2,3-Epoxypropyl methacrylate
796	Ethanethiol
1277	Ethanol-*iso*-propanolamine
122	2-Ethoxybenzamide
275	6-Ethoxy-2-benzothiazolylamine
1281	2-Ethoxy-3,4-dihydro-2*H*-pyran
187	2-Ethoxyethyl acetate
6293	4-Ethoxy-3-nitroaniline
1284	3-Ethoxypropionitrile
1285	3-Ethoxypropylamine
144	Ethyl 2-acetamido-2-cyanoacetate
1392	2-Ethylaminoethanol
937	2-Ethylaniline
936	4-Ethylaniline
781	2-[*N*-Ethylanilino]-ethanol
1372	Ethylbenzene
1813	Ethyl benzoate
1808	Ethyl benzoylacetate
7538	Ethyl benzyl ketone
1286	2-Ethyl-1-butanal
1393	2-Ethyl-1-butanol
1288	2-Ethyl-2-butyl-1,3-propanediol
500	Ethyl butyrate
501	Ethyl-*iso*-butyrate
1480	2-Ethylbutyric acid
1557	Ethyl butyryl acetate
2180	Ethyl caprate
190	Ethyl caproate
202	Ethyl caprylate
364	Ethyl 2-chloropropionate
365	Ethyl 3-chloropropionate
238	Ethyl cinnamate
2668	Ethyl crotonate
1466	*N*-Ethylcyclohexylamine
950	Ethylene glycol diacetate
855	Ethylene glycol monoallyl ether

Item No.	
1554	Ethylene glycol monobutyl ether
7479	Ethylene glycol monopropyl ether
7480	Ethylene glycol mono-*iso*-propyl ether
1289	Ethylene sulfite
1926	Ethyl 2-furancarboxylate
1294	2-Ethylhexanal
758	2-Ethylhexanoic acid
990	2-Ethylhexanol
835	2-Ethylhexyl acrylate
223	2-Ethylhexylamine
1415	1-Ethylimidazole
5334	Ethyl laurate
397	Ethyl levulinate
6912	Ethyl mandelate
4414	Ethylmercuric chloride
579	Ethyl methacrylate
1295	*N*-Ethylmorpholine
6201	1-Ethyl-2-nitrobenzene
6208	4-Ethylnitrobenzene
6922	Ethyl 2-oxocyclopentanecarboxylate
956	1-Ethylpiperidine
782	2-Ethylpiperidine
7324	Ethyl 4-piperidinecarboxylate
783	1-Ethyl-3-piperidinol
1300	Ethyl pivalate
606	Ethyl propionate
230	2-Ethylpyridine
231	3-Ethylpyridine
232	4-Ethylpyridine
6617	Ethyl pyruvate
1397	2-(Ethylthio)-ethanol
151	Ethyltriethoxysilane
8465	Ethyl undecanoate
1467	2-Ethyl-*iso*-valeraldehyde
8540	Ethyl *n*-valerate
8541	Ethyl *iso*-valerate
1391	Ethyl vinyl ether

Item No.	
185	1-Ethynyl-1-cyclohexanol
6961	Eugenol methyl ether
3978	Ferrocene
3977	9-Fluorenone
3975	Formamidinium acetate
4018	4-Formylmorpholine
269	Fumaric acid
277	Fumaronitrile
1924	2-Furancarboxylic acid
4012	Furfural
4015	Furfuryl alcohol
4016	Furfurylamine
4017	2-Furyl methyl ketone
4240	Glutaraldehyde
295	Glutaric acid
4105	Glutaronitrile
259	Glycidol allyl ether
1553	Glycidol *n*-butyl ether
4104	Glycollic acid
4107	Glyoxylic acid
4213	Guaiacol glycerol ether
4553	Heptadecyl bromide
4387	1,7-Heptanediol
3505	4-Heptanone
1462	Heptyl acrylate
4499	Hexachlorodisiloxane
4551	3-Hexadecanone
4385	Hexahydro-2-pyrimidinone
4500	Hexamethyldisiloxane
4323	Hexamethylenediamine
4331	Hexamethylene oxide
4307	Hexamethylenimine
4308	1,6-Hexanediol
4320	2,5-Hexanediol
4309	1,2,6-Hexanetriol
4394	2-Hexanol

Item No.	
4395	3-Hexanol
4398	2-Hexanone
4533	3-Hexanone
4326	Hexylamine
4315	3-Hexyloxy-1-propylamine
4542	Hydrocinnamaldehyde
4543	Hydrocinnamic acid
4612	Hydroquinone diethyl ether
4613	Hydroquinone dimethyl ether
71	*o*-Hydroxyacetanilide
4310	2-Hydroxyacetophenone
4311	4-Hydroxyacetophenone
4535	3-Hydroxybenzaldehyde
4537	3-Hydroxybenzoic acid
234	m-Hydroxycinnamic acid
233	o-Hydroxycinnamic acid
237	*p*-Hydroxycinnamic acid
4330	4-Hydroxycoumarin
588	2-Hydroxyethyl methacrylate
4396	2-Hydroxy-5-methoxybenzaldehyde
4598	3-Hydroxy-2-naphthalenecarboxamide
4597	3-Hydroxy-2-naphthalenecarboxylic acid
6204	6-Hydroxy-2-naphthalenesulfonic acid sodium salt
610	2-Hydroxypropyl methacrylate
4789	2-Imidazolidinone
4726	3-Indolecarbaldehyde
4732	Indoline
4802	3-Indolylacetonitrile
4803	3-Indol-3-ylacrylic acid
4786	1-Iodobutane
4787	2-Iodobutane
1967	2-Iodo-2-methylpropane
4788	1-Iodopropane
4778	α-Ionone
4779	β-Ionone
4784	Isatoic anhydride
6963	Isoeugenol
6964	Isoeugenol methyl ether
2406	Isoquinoline
4812	Itaconic acid

Item No.	
5338	Lauraldehyde
5333	Lauric acid
5649	2,5-Lutidine
5650	2,6-Lutidine
5651	3,4-Lutidine
5652	3,5-Lutidine
3786	2,6-Lutidine-1-oxide
6190	Malonamide
5797	Malondialdehyde tetraethylacetal
6913	DL-Mandelic acid
743	2-Mercaptobenzoic acid
5890	Mesitylene
5791	Mesityl oxide
577	Metanilic acid
5792	Methacrylamide
578	Methacrylic acid
5895	Methacrylonitrile
5905	Methallyl chloride
5893	Methoxyacetonitrile
5795	4-Methoxyacetophenone
5796	3-Methoxybenzaldehyde
5971	4-Methoxybenzoic acid
6061	2-Methoxyethyl acetate
5908	2-Methoxyethylamine
5213	2-Methoxy-4-methylaniline
5212	4-Methoxy-2-methylanilinium bromide
6226	2-Methoxy-4-nitroaniline
6224	2-Methoxy-5-nitroaniline
6225	4-Methoxy-2-nitroaniline
744	3-Methoxyphenylacetic acid
5891	3-Methoxypropionitrile
5798	4'-Methoxypropiophenone
5800	3-Methoxypropylamine
5801	6-Methoxy-1,2,3,4-tetrahydro-1-naphthalenone
107	Methyl acetoacetate
841	Methyl acrylate
5802	2-Methylaminoethanol
6029	3-Methylaminopropionitrile
466	Methyl anthranilate
6179	4-Methylbenzaldehyde

Item No.	
6183	3-Methyl-2-butanethiol
6031	2-Methyl-1-butanol
6032	3-Methyl-2-butanol
6178	3-Methyl-2-butenoic acid
2874	Methyl carbamate
2357	Methyl chloroformate
240	Methyl cinnamate
5807	3-Methylcyclohexanol
6181	4-Methylcyclohexanol
5850	***N*-Methylcyclohexylamine**
5899	Methyldichlorosilane
5851	*N*-Methyldiethanolamine
5968	*N,N'*-Methylenediacrylamide
6168	*N*-Methylformamide
889	Methyl formate
5896	6-Methyl-5-hepten-2-one
4599	Methyl 3-hydroxy-2-naphthalenecarboxylate
5852	1-Methylimidazole
5856	2-Methylimidazole
5897	2-Methylindole
5806	3-Methylisoquinoline
6090	Methyl maleate
590	Methyl methacrylate
5894	4-Methylmorpholine
6297	2-Methyl-4-nitroaniline
6298	2-Methyl-5-nitroaniline
6285	3-Methyl-3-nitro-2-butanol
6286	2-Methyl-2-nitro-1-propanol
6185	2-Methylpentanal
5804	4-Methyl-2-pentanol
5857	3-Methyl-1-pentyn-3-ol
3270	2-Methyl-1,4-phenylenediamine
3272	4-Mythyl-1,2-phenylenediamine
3269	4-Methyl-1,3-phenylenediamine
8231	1-(4-Methylphenyl)-ethanol
3242	2-Methyl-1-phenyl-2-propanol
5859	1-Methylpiperazine
5860	2-Methylpiperazine

Item No.	
6186	2-Methylpiperidine
6187	4-Methylpiperidine
6188	1-Methyl-2-piperidinylmethanol
6182	1-Methyl-3-piperidinylmethanol
7019	Methyl piperonyl ketone
5965	Methyl propyl ketone
5966	Methyl *iso*-propyl ketone
6086	α-Methylstyrene
595	2-Methylsuccinic acid
5969	2-Methyltetrahydropyran
5978	3-Methylthioaniline
4314	2-(Methylthio)-ethanol
5970	3-Methylthiophene
6087	*N*-Methyltrimethylene diamine
6088	4-Methylvaleric acid
5901	Methyl vinyl ketone
4316	2-Morpholinoethanol
6198	2-Morpholinoethylamine
4317	1-Morpholino-2-propanol
1300	3-Morpholinopropylamine
1303	3-Morpholino-1-propylamine
660	Mucic acid
399	Myristic acid
410	Myristoyl chloride
597	1-Naphthalenecarboxylic acid
598	2-Naphthalenecarboxylic acid
6215	1,4-Naphthoquinone
6205	1,5-Naphthylenediamine
6206	1,8-Naphthylenediamine
6842	Neopentylamine
6753	*iso*-Nicotinc acid hydrazide
8236	1,1',1''-Nitrilotris(2-propanol)
6207	3-Nitroacetophenone
6217	4-Nitroacetophenone
6209	3-Nitroaniline
6227	2-Nitroanisole
6228	4-Nitroanisole

Item No.	
648	4-Nitroanthranilic acid
6765	3-Nitrobenzaldehyde
6766	4-Nitrobenzaldehyde
6846	4-Nitrobenzamide
6548	3-Nitrobenzenesulfonic acid sodium salt
643	2-Nitrobenzoic acid
645	3-Nitrobenzoic acid
646	4-Nitrobenzoic acid
6772	4-Nitrobenzoyl chloride
6299	4-Nitrobenzyl chloride
6847	3-Nitrobenzylidyne trifluoride
6229	2-Nitro-1-butanol
6230	3-Nitro-2-butanol
665	3-Nitrocinnamic acid
6855	4-Nitro-*m*-cresol
6856	6-Nitro-*m*-cresol
6854	2-Nitro-*p*-cresol
6843	Nitroethane
6859	5-Nitrofurfurylidene diacetate
6291	1-Nitronaphthalene
6292	3-Nitro-2-pentanol
6790	2-Nitrophenol
599	4-Nitrophenylacetic acid
6294	4-Nitro-1,2-phenylenediamine
6295	4-(4-Nitrophenyl)-morpholine
654	2-Nitro-*iso*-phthalic acid
649	3-Nitrophthalic acid
650	4-Nitrophthalic acid
651	5-Nitro-*iso*-phthalic acid
6851	1-Nitropropane
6852	2-Nitropropane
6296	2-Nitro-1-propanol
6853	4-Nitropyridine 1-oxyde
677	Nitroterephthalic acid
6806	2-Nitrotoluene
6805	3-Nitrotoluene
6807	4-Nitrotoluene
6849	3-Nonanone
3538	5-Nonanone

Item No.	
6845	Nonylamine
286	Octadecan-3-one
7676	Octadecylamine
6916	Octamethylenediamine
6921	1,8-Octanediol
6909	3-Octanone
1474	Octyl acrylate
6917	Octylamine
6904	4-Octylphenol
6907	Oleylamine
2683	3-Oxoquinuclidinium chloride
508	Palmitic acid
510	Palmitoyl chloride
7166	Pelargonaldehyde
7167	Pelargonic acid
7172	Pelargononitrile
7171	Pelargonyl chloride
661	Pentadecanoic acid
7331	Pentaerythritol
7332	Pentamethylenediamine
7061	1,5-Pentanediol
7065	2,4-Pentanediol
7501	2-Pentanol
7502	3-Pentanol
749	4-*tert*-Pentylphenol
7334	Phenethylamine
7000	*o*-Phenetidine
7002	*p*-Phenetidine
7336	Phenetole
667	Phenoxyacetic acid
7052	Phenylacetaldehyde diethylacetal
7076	Phenylacetyl chloride
7044	Phenylacetylene
7070	d,l-α-Phenylaminoacetic acid
7073	D(–)-α-Phenylaminoacetic acid
7072	L(+)-α-Phenylaminoacetic acid
6908	Phenylaminoethanol
5858	1-Phenylethanol

Item No.	
7006	2-Phenylethanol
7007	Phenylethylene glycol
7008	1-Phenyl-1-hexanone
1584	1-Phenyl-2-hexanone
7504	2-Phenylimidazole
3257	*N*-Phenyl-2,2′-iminobis(ethanol)
7519	*N*-Phenyl-1,1′-iminodi(2-propanol)
7588	Phenylmercuric acetate
7080	1-Phenyl-3-methyl-5-pyrazolone
7583	1-Phenyl-3-pentanone
7009	1-Phenylpiperazine
7012	1-Phenyl-1-propanol
5803	1-Phenyl-2-propanol
7014	3-Phenyl-1-propanol
7010	2-Phenylpropionaldehyde
7004	1-Phenyl-2-propyn-1-ol
7296	1-Phenyl-2-pyrrolidone
575	dl-Phenylsuccinic acid
7028	Phenyl-*iso*-thiocyanate
7328	Phenyltrichlorosilane
4807	*iso*-Phorone
607	*iso*-Phthalic acid
7067	Phthalide
593	Phthalonitrile
7048	3-Picoline
7049	4-Picoline
7015	2-Picolylamine
7016	3-Picolylamine
7017	4-Picolylamine
668	Pimelic acid
7325	Piperazine
4312	2-(1-Piperazinyl)-ethanol
361	2-(1-Piperazinyl)-ethylamine
4335	1-(1-Piperazinyl)-2-propanol
1444	3-(1-Piperazinyl)-propylamine
7507	2-Piperidinoethanol
7018	Piperonal
7350	Piperonyl alcohol
7352	Piperonylic acid
1302	Pivalic anhydride
7053	Pivalonitrile
1276	Pivaloyl chloride
7483	Polyethylene glycol 200
7484	Polyethylene glycol 300
7485	Polyethylene glycol 400
7486	Polyethylene glycol 600
7488	Polyethylene glycol 1000
7489	Polyethylene glycol 1500
7490	Polyethylene glycol 4000
7491	Polyethylene glycol 6000
7481	1,3-Propanediol
7354	1,3-Propane sultone
7529	1-Propanethiol
7532	2-Propanethiol
6167	*iso*-Propenyl methyl ketone
608	Propionic anhydride
7068	Propionitrile
7063	Propionyl chloride
7024	Propiophenone
4810	3-*iso*-Propoxypropionitrile
3183	Propyl acetate
7025	4-*iso*-Propylbenzaldehyde
7521	Propylbenzene
7051	Propylene carbonate
7482	1,2-Propylene glycol 1-monobutyl ether
7027	Propylene oxide
884	Propyl formate
7505	1-Propylimidazole
7050	2-Propyn-1-ol
7330	Pseudoionone
7064	Pyrazine
615	2-Pyrazinecarboxylic acid
616	2,3-Pyrazinedicarboxylic acid
7572	Pyrazole

Item No.	
7535	2,2′-Pyridil
7468	3-Pyridinecarbaldehyde
7469	4-Pyridinecarbaldehyde
7466	2-Pyridinecarbaldehyde oxime
2657	2-Pyridinecarbonitrile
2658	3-Pyridinecarbonitrile
2659	4-Pyridinecarbonitrile
735	2-Pyridinecarboxylic acid
736	4-Pyridinecarboxylic acid
7506	Pyridine 1-oxide
5743	2-Pyridinethiol
7035	2-Pyridinol
7036	3-Pyridinol
669	3-(3-Pyridyl)-acrylic acid
182	2-(2-Pyridyl)-ethanol
7029	2-Pyridylmethanol
7030	3-Pyridylmethanol
7087	2-(2-Pyridyl)-1,3-propanediol
7021	3-(2-Pyridyl)-1-propanol
7022	3-(3-Pyridyl)-1-propanol
023	3-(4-Pyridyl)-1-propanol
568	Pyrocatechol diethyl ether
917	Pyrocatechol monoethyl ether
041	2-Pyrrolidone
305	Quinaldine
214	Quinolinic acid
682	3-Quinuclidinol
595	Resorcinol dimethyl ether
675	Safrole
811	*iso*-Safrole
666	Sarcosine
753	Sebacic acid
759	Sebaconitrile
679	Styrene
751	Suberic acid
216	Suberonitrile
678	Succinyl dichloride
994	3-Sulfolene
616	Taurine
8617	Terephthalaldehyde
740	Terephthaloyl dichloride
8096	Tetrabromophthalic anhydride
8278	Tetrabutyltin
8286	1,2,4,5-Tetrachlorobenzene
741	3,4,5,6-Tetrachlorophthalic anhydride
8240	Tetracyanoethylene
8601	1-Tetradecene
7416	Tetraethyllead
8705	Tetraethyltin
8247	Tetrahydrodicyclopentadiene
8072	Tetrahydrofurantetracarboxylic acid
8073	Tetrahydrofurantetracarboxylic dianhydride
8225	1,2,3,4-Tetrahydroisoquinoline
5969	Tetrahydro-2-methylpyran
742	Tetrahydrophthalic anhydride
8224	1,2,3,4-Tetrahydroquinoline
8203	α-Tetralone
8624	1,2,4,5-Tetramethylbenzene
6902	1,1,3,3-Tetramethylbutylamine
8279	Tetramethylenediamine
8736	Tetraphenyllead
8243	Tetraphenylphosphonium bromide
8244	Tetraphenylphosphonium chloride
1272	2-Thiazolylamine
8076	Thioacetic acid
8625	2,2′-Thiodiacetic acid
8161	2-Thiophenecarbaldehyde
8159	Thiophenol
8266	Thioxanthene
8267	9-Thioxanthenone
8230	4-Toluenesulfonamide
8314	*m*-Toluidine
8273	*o*-Tolunitrile
8268	*m*-Tolunitrile
8274	*p*-Tolunitrile
8264	2,4-Toluylene di-*iso*-cyanate
8388	1,2,4-Triazole
8609	1,2,3-Tribromopropane

Item No.	
8077	Tributylphosphine
8391	Trichloroacetyl chloride
8285	1,2,3-Trichlorobenzene
8610	2,2,2-Trichloroethanol
8359	2,4,5-Trichlorophenol
8078	Tricyclohexylphosphine
8633	2-Tridecanone
8655	3-Tridecanone
8659	6-Tridecanone
8275	Triethoxyphenylsilane
8276	Triethoxyvinylsilane
251	Triethyl citrate
8245	Triethylene glycol
8249	Triethylene glycol dimethyl ether
1624	Triethylene glycol monobutyl ether
8233	3-Trifluoromethylbenzoyl fluoride
8604	2-(Trifluoromethyl)-phenothiazine
8605	α,α,α-Trifluoro-2-nitrotoluene
8200	2,4,5-Trimethylaniline
8606	2,4,6-Trimethylaniline
8272	Trimethylenediamine
3294	Trimethylenediamine-*N,N*-diethanol
8187	1,1,1-Trimethylolpropane trimethacrylate
8648	2,4,6-Trimethylphenol
8731	Triphenyllead chloride
8395	Triphenyltin chloride
8079	Tri-*iso*-propylphosphine

Item No.	
8735	Tripropyltin chloride
8393	Tris(butoxyethyl) phosphate
8608	1,3,5-Tris(2-hydroxyethyl)-cyanuric acid
8394	1,1,1-Tris(hydroxymethyl)-propane
8457	Undecanal
8468	1-Undecanol
8469	2-Undecanone
8466	Undecanoyl chloride
8504	Valeraldehyde
820	*iso*-Valeric acid
8543	Valeric anhydride
8516	γ-Valerolactone
8514	Valeronitrile
8515	*iso*-Valeronitrile
8544	Valeryl chloride
8545	*iso*-Valeryl chloride
8517	Vanillic acid
8509	o-Vanillin
8525	Veratraldehyde
8526	Veratric acid
8529	Veratrole
8527	Veratrylamine
3184	Vinyl acetate
8537	9-Vinylanthracene
8546	Vinyl-*iso*-butylether
221	Vinyl 2-ethylhexanoate
8513	4-Vinylpyridine
8518	1-Vinyl-2-pyrrolidone

8. Biochemicals and derivatives
(Biochemica)

I. Amino acids and derivatives

Item No.	
1046	D-Alanine
963	DL-Alanine
1007	L(+)Alanine
1008	β-Alanine
1013	L(+)Alanine methyl ester hydrochloride
84	4-Aminohippuric acid
1542	L(+)Arginine
1543	L(+)Arginine monohydrochloride
1566	L(–)Asparagine
126	L(+)Aspartic acid
164	L-Aspartic acid β-benzylester
125	L-Aspartic acid dimethyl ester hydrochloride
1900	S-Benzyl-L-cysteine
1905	S-Benzyl-L-cysteine methyl ester hydrochloride
1696	N^{im}-Benzyl-L-histidine
2374	*N*-Benzyloxycarbonyl-L-alanine
2433	N^{α}-Benzyloxycarbonyl-L-asparagine
2379	*N*-Benzyloxycarbonyl-L-aspartic acid
2495	*N*-Benzyloxycarbonyl-L-aspartic acid β-benzyl ester
2401	*N*-Benzyloxycarbonyl-S-benzyl-L-cysteine
2434	N^{α}-Benzyloxycarbonyl-N^{im}-benzyl-L-histidine
2402	*N*-Benzyloxycarbonyl-O-benzyl-L-tyrosine
2376	*N*-Benzyloxycarbonyl-L-glutamic acid
2435	*N*-Benzyloxycarbonyl-L-glutamic acid γ-benzylester
2375	*N*-Benzyloxycarbonyl-L-glutamine
2367	*N*-Benzyloxycarbonylglycine
2368	N^{α}-Benzyloxycarbonyl-L-histidine hydrazide
2403	*N*-Benzyloxycarbonyl-4-hydroxy-L-proline
2377	*N*-Benzyloxycarbonyl-L-leucine dicyclohexylammonium salt
2372	*N*-Benzyloxycarbonyl-L-*iso*-leucine dicyclohexylammonium salt
2369	N^{ε}-Benzyloxycarbonyl-L-lysine
2436	*N*-Benzyloxycarbonyl-L-methionine
2409	N^{δ}-Benzyloxycarbonyl-L-ornithine methyl ester hydrochloride
2370	*N*-Benzyloxycarbonyl-L-phenylalanine
2371	*N*-Benzyloxycarbonyl-L-proline
2373	*N*-Benzyloxycarbonyl-L-serine
2437	*N*-Benzyloxycarbonyl-L-threonine
2438	N^{α}-Benzyloxycarbonyl-L-tryptophan
2439	*N*-Benzyloxycarbonyl-L-valine
1911	O-Benzyl-L-tyrosine
1908	*N*-(*tert*-Butoxycarbonyl)-L-alanine
1936	N^{α}-(*tert*-Butoxycarbonyl)-L-asparagine
2414	*N*-(*tert*-Butoxycarbonyl)-S-benzyl-L-cysteine
2440	N^{α}-(*tert*-Butoxycarbonyl)-N^{ε}-(benzyloxycarbonyl)-L-lysine dicyclohexylammonium salt
1928	*N*-(*tert*-Butoxycarbonyl)-O-benzyl-L-tyrosine
1939	*N*-(*tert*-Butoxycarbonyl)-L-glutamic acid γ-benzyl ester dicyclohexylammonium salt
1955	*N*-(*tert*-Butoxycarbonyl)-glycine
2404	N^{α}-(*tert*-Butoxycarbonyl)-L-histidine hydrazide
1956	*N*-(*tert*-Butoxycarbonyl)-L-leucine
2493	*N*-(*tert*-Butoxycarbonyl)-L-*iso*-leucine dicyclohexylammonium salt
1937	*N*-(*tert*-Butoxycarbonyl)-L-methionine dicyclohexylammonium salt

Item No.	
2415	N^{α}-(*tert*-Butoxycarbonyl)-N^{ω}-nitro-L-arginine
1953	*N*-(*tert*-Butoxycarbonyl)-L-phenylalanine
1938	*N*-(*tert*-Butoxycarbonyl)-L-proline
2418	*N*-(*tert*-Butoxycarbonyl)-L-serinehydrazide
1954	*N*-(*tert*-Butoxycarbonyl)-L-threoninehydrazide
2480	N^{α}-(*tert*-Butoxycarbonyl)-L-tryptophan
1951	*N*-(*tert*-Butoxycarbonyl)-L-valine dicyclohexylammonium salt
5205	Creatine
5206	Creatinine
2838	L(+)Cysteine
2839	L(+)Cysteinium chloride
2837	L(–)Cystine
4196	3,4-Dihydroxy-L-phenylalanine
769	L(–)-Ethionine
893	Ethyl glycinate hydrochloride
291	L(+)Glutamic acid
297	L-Glutamic acid γ-benzyl ester
293	L-Glutamic acid dimethyl ester hydrochloride
292	L(+)Glutamic acid hydrochloride
289	L(+)Glutamine
4090	Glutathione
4200	Glycine
296	Hippuric acid cryst.
4351	L(–)Histidine
4353	L-Histidine methyl ester dihydrochloride
4350	L-Histidine monohydrochloride
4506	L(–)Hydroxyproline
4529	4-Hydroxy-L-proline-methyl ester hydrochloride
5360	L-Leucine
5362	L(+)-*iso*-Leucine
5359	D-Leucine
5365	L-Leucine methyl ester hydrochloride
4742	L-*iso*-Leucine methyl ester hydrochloride
5700	L(+) Lysine monohydrochloride
5707	L(–)Methionine
6033	D-Methionine
5702	L-Methionine methyl ester hydrochloride
4198	Methyl glycinate hydrochloride
6860	N^{ω}-Nitro-L-arginine
6867	N^{ω}-Nitro-L-arginine methyl ester hydrochloride
6834	L-Norleucine
6906	L(+)Ornithine monohydrochloride
7268	D-Phenylalanine
7257	DL-Phenylalanine
7256	L(–)Phenylalanine
7263	L-Phenylalanine methyl ester hydrochloride
7434	L(–)Proline
7669	Sarcosine
7769	L(–)Serine
7912	L(–)Serine methyl ester hydrochloride
7768	Serotonin-creatinine sulfate
6445	Sodium L(+)glutamate
8410	DL-Threonine
8411	L(–)Threonine
8404	D-Tryptophan
8375	DL-Tryptophan
8374	L-Tryptophan
8401	L-Tryptophan methyl ester hydrochloride
8371	L(–)Tyrosine
8366	L(–)Tyrosine methyl ester hydrochloride
8499	D-Valine
8494	DL-Valine
8495	L(+)Valine
8496	L(+)Valine methyl ester hydrochloride

II. Enzymes and coenzymes

Item No.	
1293	Alcohol dehydrogenase cryst. lyophilised 135 U/mg
1329	α-Amylase (bacterial) lyophilised 170 U/mg
1326	α-Amylase (pancreatic) lyophilised 320 U/mg
1327	β-Amylase lyophilised 28 U/mg
1318	β-Amylase lyophilised 45 U/mg
1330	Amyloglucosidase (glucamylase) lyophilised 50 U/mg
1651	Bromelin 2 m Anson units/mg
1653	Bromelin bound to CM-cellulose 0,2–0,3 U/mg
1652	Bromelin water-soluble 2 m Anson units/mg
5183	Catalase (bacterial) 550 U/mg
5184	Catalase (bacterial) lyophilised 2000 U/mg
2312	Cellulase 20 mU/mg
2313	Cellulase salt-free 90 mU/mg
2307	α-Chymotrypsin cryst. lyophilised 45 mU/mg
2309	α-Chymotrypsin polymer bound to CM-cellulose 30–40 U/mg
2308	α-Chymotrypsin TLCK treated lyophilised 45 mU/mg
2306	α-Chymotrypsinogen cryst. lyophilised 45 mU/mg (after activation)
2334	Cocarboxylase
2335	Cocarboxylase tetrahydrate
24014	Collagen (from Achilles tendon) Lyophilised
24015	Collagenase (bacterial) chromatographically purified, lyophilised 200 units/mg
24012	Deoxyribonuclease I (from pancreas) cryst. lyophilised 2000 units/mg
24013	Deoxyribonucleicacid (from calf thymus)
3012	Diastase 0,45 U/mg
3013	Diastase 2,6 U/mg
3407	Dihydronicotinamide-adenine-dinucleotide disodium salt
3403	Dihydronicotinamide-adenine-dinucleotide-phosphate tetrasodium salt
24010	Elastin (from neck tendon)
24011	Elastin-orcein
3985	Ficin water soluble 3.9 m Anson units/mg
3986	Ficin 3.9 m Anson units/mg
3989	Ficin bound to CM cellulose 0,2–0,3 U/mg
3982	Flavin adenine dinucleotide disodium salt

Item No.	
8340	Glucose-oxidase 1,4 U/mg
8341	Glucose-oxidase lyophilised 12 U/mg
4100	β-Glucuronidase stabilised aqueous solution (cattle liver) 10 U/ml
24021	Hyaluronic acid (from nitreous humour)
4508	Hyaluronidase 250 USP-units/mg
5308	Lactate dehydrogenase 3600 U/ml equiv. 360 U/mg
5309	Lactate dehydrogenase 1800 U/ml equiv. 180 U/mg
5633	Lipase (pancreatic) lyophilised 2,5 U/mg
5281	Lysozyme cryst. 15000 units/g
5282	Lysozyme electrophoretically homogeneous 17000 units/mg
3406	Nicotinamide-adenine-dinucleotide
3404	Nicotinamide-adenine-dinucleotide phosphate disodium salt
24016	Ovalbumin cryst. lyophilised
8368	Pancreas protease 0,2 m Anson units/mg
8211	Pancreas protease 2 m Anson units/mg
8212	Pancreas protease lyophilised 8 m Anson units/mg
7131	Pancreatin 0,1 m Anson units/mg Protease 0,15 U/mg Lipase 10 U/mg Amylase
7132	Pancreatin 0,4 m Anson units/mg Protease 0,6 U/mg Lipase 40 U/mg Amylase
7143	Papain 1 m Anson unit/mg
7138	Papain bound to CM cellulose 0,2–0,3 U/mg
7139	Papain bound to cross-linked maleic anhydride 0,1–0,2 U/mg
7144	Papain water soluble 3,5 m Anson units/mg
7185	Pepsin 1 m Anson unit/mg
7188	Pepsin 3,5 m Anson units/mg
7191	Pepsin lyophilised 11 m Anson units/mg
7192	Pepsin cryst. lyophilised 100 m U/mg
7423	Peroxidase 1000 U/mg
7437	Pronase bound to CM-cellulose 1,5 U/mg
7433	Pronase E 70000 PUK units/g
7424	α-Protease (ex crotalus atrox) acc. to Pfleiderer lyophilised 8000 Kunitz-units/vial, equiv. to 10000 Kunitz-units/mg protein

Item No.	
7440	Proteinase K (fungal) lyophilised 15 m Anson units/mg
7429	Proteinase K (fungal) chromatographically purified lyophilised 20 m Anson units/mg
7439	Proteinase K (fungal) bound to CM-cellulose 15–20 U/mg
7526	Pyridoxal 5′-phosphate
7525	Pyridoxal 5′-phosphate monosodium salt
7547	Pyridoxamine-5′-phosphoric acid hydrochloride
7608	Riboflavine 5′-phosphate sodium salt
7604	Ribonuclease bound to cross-linked maleic anhydride 0.3–0.5 U/mg
7603	Ribonuclease (pancreatic) bound to CM cellulose 0.5 U/mg
7602	Ribonuclease (pancreatic) cryst. lyophilised 20 U/mg
24018	Ribonucleicacid (from baker's yeast)
7684	Saccharase (invertase, β-fructosidase) lyophilised 200 U/mg
7685	Saccharase (invertase, β-fructosidase) solution in glycerol 2750 U/ml
7888	Subtilisin bound to CM cellulose 7–10 U/mg
8189	Thermolysine cryst. 6000 PU/mg
8219	Trypsin (from pigs) bound to CM-cellulose 15–20 U/mg
8298	Trypsin (from pigs) bound to cross-linked maleic anhydride 5–7 U/mg
8213	Trypsin cryst. lyophilised 2.0 U/mg
8350	Trypsin (from pigs) cryst. lyophilised 3.5 U/mg
8218	Trypsin bound to CM-cellulose 7–10 U/mg
8217	Trypsin TPCK-treated lyophilised 2.0 U/mg
8299	Trypsin-inhibitor (from soya bean) bound to CM-cellulose
24020	Trypsin-inhibitor (from soya bean) cromatographically purified, lyophilised
8216	Trypsinogen cryst. salt free 2.0 U/mg (after activation)
8489	Urease lyophilised 5 U/mg for determination of urea in serum
8479	Urease water soluble lyophilised 5 U/mg
8482	Urease cryst. lyophilised 125 U/mg
8450	Uridine diphosphate-glucose disodium salt

III. Enzyme substrates

536	*N*-Acetyl-L-alanin-4-nitroanilide
94	*N*-Acetyl-L-phenylalanyl-3,5-diiodo-L-tyrosine
83	*N*-Acetyl-L-tyrosine ethyl ester
1046	D-Alanine
963	DL-Alanine
1007	L(+)Alanine
1008	β-Alanine
1014	L-Alanine-4-nitroanilide hydrochloride
126	L(+) Aspartic acid
1673	N^{α}-Benzoyl-L-argininamide hydrochloride (monohydrate)
1672	N^{α}-Benzoyl-L-arginine ethyl ester hydrochloride
1670	N^{α}-Benzoyl-DL-arginine-4-nitroanilide hydrochloride
2344	*N*-Benzyloxycarbonyl-L-α-glutamyl-L-tyrosine
2345	*N*-Benzyloxycarbonylglycyl-L-phenylalanine
2346	N^{α}-Benzyloxycarbonyl-L-histidyl-L-phenylalanyl-L-phenylalanine ethyl ester
2474	N^{α}-Benzyloxycarbonyl-L-lysine-4-nitrophenyl ester hydrochloride
2190	Bis(4-nitrophenyl)-phosphate
2244	Casein
24009	α-*Casein*
2599	Colaminphenolphthalein phosphate
2366	Cytidine 2′, 3′-cyclophosphate barium salt
8192	2′-Deoxythymidine-5′-phosphoric acid 1-naphthyl ester sodium salt
8193	2′-Deoxythymidine-5′-phosphoric acid 4-nitrophenyl ester ammonium salt
5325	Fructose 1,6-diphosphoric acid tetrakis (cyclohexylammonium)salt
5350	Fructose 6-phosphoric acid barium salt
5351	Fructose 1-phosphoric acid bis (cyclohexylammonium) salt

Item No.	
8336	D(+)Glucose(monohydrate)
8344	Glucose 6-phosphoric acid barium salt
8345	Glucose 1-phosphoric acid disodium salt
4245	Glutaryl-L-phenylalanine-2-naphthylamide
4244	Glutaryl-L-phenylalanine-4-nitroanilide
8238	Glycerol triacetate (triacetin)
1958	Glycerol tributyrate (tributyrin)
4233	Glycylglycine
4300	Hemoglobin protease substrate acc. to Anson
4383	N^{α}-Hippuroyl-L-lysine
4382	N^{α}-Hippuryl-L-arginine
4384	Hippuryl-L-phenylalanine
4524	2-Hydroxy-5-nitrophenyl hydrogen sulfate dipotassium salt (monohydrate)
5194	α-Ketoglutaric acid
5364	L-Leucine-4-nitroanilide
5648	L-Lysine-4-nitroanilide dihydrobromide
5912	D(+)Maltose
67	2-Naphthyl acetate
68	4-Nitrophenyl acetate
6791	2-Nitrophenyl-β-D-galactopyranoside
6792	4-Nitrophenyl-α-D-glucopyranoside
6793	4-Nitrophenyl-β-D-glucopyranoside
6795	4-Nitrophenyl-β-D-glucopyranosiduronic acid
6831	4-Nitrophenyl hydrogen sulfate potassium salt
511	4-Nitrophenyl palmitate
6850	4-Nitrophenyl phosphate disodium salt
7282	L-Phenylalanine 4-nitroanilide
3108	Phenyl phosphate disodium salt
6619	Pyruvic acid sodium salt
4168	Sodium β-glycerophosphate
6815	Sodium 1-naphthyl phosphate
1252	Starch
1257	Starch soluble, acc. to Zulkowsky
7674	Sucrose (saccharose)
8334	N^{α}-Tosyl-L-arginine methyl ester hydrochloride
8488	Urea
817	Uric acid

IV. Carbohydrates and derivatives

1422	N-Acetyl-D-glucosamine
852	Adonitol
1493	D(—)Arabinose
1491	L(+)Arabinose
1486	D-Arabitol (monohydrate)
2352	D-Cellobiose
7606	2-Deoxy-D-ribose
3053	D(+)Digitoxose
5989	Dulcitol
3160	meso-Erythritol
5322	D(—)Fructose
5324	Fructose 1,6-diphosphoric acid monocalcium salt
5325	Fructose 1,6-diphosphoric acid tetrakis (cyclohexylammonium) salt
5351	Fructose 1-phosphoric acid bis(cyclohexylammonium) salt
5350	Fructose 6-phosphoric acid barium salt
4080	D-Galactosamine hydrochloride
4058	D(+)Galactose
4081	D-Galacturonic acid (monohydrate)
288	Gluconolactone
4113	D-Glucosamine hydrochloride
8337	D(+)Glucose anhydrous
8336	D(+)Glucose (monohydrate)
8344	Glucose 6-phosphoric acid barium salt
8345	Glucose 1-phosphoric acid disodium salt
282	D-Glucurono-γ-lactone (monohydrate)
4094	Glycerol redistilled

Item No.	
4202	Glycogen
5991	D-*manno*-Heptulose
4793	L-Idonic acid sodium salt (monohydrate)
4723	Inosine
4720	*meso*-Inositol
4733	Inulin
5190	2-Keto-D-gluconic acid calcium salt (trihydrate)
5195	5-Keto-D-gluconic acid potassium salt
5191	2-Keto-L-gluconic acid (monohydrate)
7660	D(+)Lactose (monohydrate)
5912	D(+)Maltose
5987	D(—)Mannitol
5985	D(+)Mannose
287	Potassium D-gluconate
7548	Raffinose (pentahydrate)
4737	L(+)Rhamnose (monohydrate)
7605	D(—)Ribose
7607	D-Ribose-5-phosphoric acid, barium salt
7759	D(—)Sorbitol
7760	L(—)Sorbose
1252	Starch
7674	Sucrose
8355	D(+)Trehalose (dihydrate)
8666	Xylitol
8689	D(+)Xylose

V. Nucleosides, nucleotides, nucleobases

838	Adenine
862	Adenosine
1436	Adenosine-5′-diphosphoric acid tribarium salt
1437	Adenosine-5′-diphosphoric acid trisodium salt
869	Adenosinemonophosphoric acid
1425	Adenosine-2′-monophosphoric acid
1426	Adenosine-3′-monophosphoric acid
1427	Adenosine-5′-monophosphoric acid
1428	Adenosine-5′-monophosphoric acid disodium salt
1433	Adenosine-5′-triphosphoric acid dibarium salt
1432	Adenosine-5′-triphosphoric acid disodium salt
1434	Adenosine-5′-triphosphoric acid monobarium salt
2318	Cytidine
2366	Cytidine-2,3′-cyclophosphate barium salt
2324	Cytidine-5′-diphosphoric acid trilithium salt
2319	Cytidinemonophosphoric acid
2320	Cytidine-5′-monophosphoric acid disodium salt
2325	Cytidine-5′-triphosphoric acid trilithium salt
2326	Cytosine
1429	2′-Deoxyadenosine
1430	2′-Deoxyadenosine-5′-phosphoric acid ammonium salt
1431	2′-Deoxyadenosine-5′-triphosphoric acid disodium salt
2322	2′-Deoxycytidine-5′-monophosphoric acid
2323	2′-Deoxycytidine-5′-triphosphoric acid trilithium salt
2321	2′-Deoxycytidinium chloride
4224	2′-Deoxyguanosine

Item No.	
4225	2′-Deoxyguanosine-5′-monophosphoric acid disodium salt
4226	2′-Deoxyguanosine-5′-triphosphoric acid tetralithium salt
8206	2′-Deoxythymidine
8207	2′-Deoxythymidine-5′-monophosphoric acid calcium salt
8208	2′-Deoxythymidine 5-triphosphate tetralithium salt
8454	2′-Deoxyuridine
4221	Guanine
4222	Guanosine
4227	Guanosine-5′-diphosphoric acid trilithium salt
4228	Guanosine-5′-diphosphoric acid trisodium salt
4229	Guanosine-5′-monophosphoric acid disodium salt
4223	Guanosinephosphoric acid
4230	Guanosine-5′-triphosphoric acid tetralithium salt
4517	Hypoxanthine
4723	Inosine
5742	6-Mercaptopurine
8209	Thymine
8460	Uracil
8451	Uridine
8450	Uridine diphosphate-glucose disodium salt
8455	Uridine-5′-diphosphoric acid trisodium salt
8452	Uridinemonophosphoric acid disodium salt
8453	Uridine-5′-monophosphoric acid disodium salt
8456	Uridine-5′-triphosphoric acid trisodium salt
8675	Xanthine
8668	Xanthosine

VI. Fatty acids and fatty acid methyl esters

124	Arachic acid
1334	Behenic acid
457	*n*-Butyric acid
2172	Capric acid
197	Caproic acid
193	Caprylic acid
3185	Elaidic acid
7579	Enanthic acid
3171	Erucic acid
5339	Lauric acid
5352	Lignoceric acid
398	Margaric acid
9620	Methyl arachate
9625	Methyl behenate
9648	Methyl butyrate
9637	Methyl caprate
9614	Methyl caproate
9633	Methyl caprylate
9758	Methyl elaidate
9744	Methyl enanthate
9757	Methyl erucate
9693	Methyl laurate
9764	Methyl lignocerate
9756	Methyl linoleate
9754	Methyl margarate
9736	Methyl myristate
9651	Methyl nonadecanoate
9743	Methyl oleate

Item No.	
9737	Methyl palmitate
9738	Methyl pelargonate
9641	Methyl pentadecanoate
9602	Methyl stearate
9782	Methyl tridecanoate
9796	Methyl undecanoate
9793	Methyl 10-undecenoate
9781	Methyl valerate
409	Myristic acid
6840	Nonadecanoic acid
481	Oleic acid
509	Palmitic acid
7168	Pelargonic acid
666	Pentadecanoic acid
674	Stearic acid
746	Tridecanoic acid
8464	Undecanoic acid
813	Undecylenic acid
821	Valeric acid

VII. Steroids

3652	3β-Acetoxy-17α-hydroxy-5-pregnen-20-one
3653	3β-Acetoxy-5α-pregnan-20-one
3655	3β-Acetoxy-5α-pregn-16-en-20-one
3656	3β-Acetoxy-5β-pregn-16-en-20-one
3048	Acetyldigitoxin
3046	Acetyldigoxin
8951	Adrenosterone
8953	Aldosterone
8954	Allodihydrocortisone
8955	Allopregnanediol
3661	4,9(11)-Androstadiene-3,17-dione
3662	5α-Androstane-3β,17β-diol
3663	5α-Androstane-3,17-dione
3659	5β-Androstane-3,17-dione
3664	5-Androstene-3β,17β-diol
8957 3665	4-Androstene-3,17-dione
8958	Androsterone
3697	*epi*-Androsterone
8980	Cholesterol
8949	Cholesterol linoleate
8950	Cholesterol linolenate
8977	Cholesterol oleate
8978	Cholesterol palmitate
8979	Cholesterol stearate
3671	Cholic acid
2686	Convallatoxin
8976	Corticosterone
3674	Corticosterone acetate
8960	Cortisone
8961	Dehydroandrosterone
3681	Dehydro-*epi*-androsterone
8956	Dehydro-*epi*-androsterone sulfate sodium salt
3678	7-Dehydrocholesterol
8962	11-Dehydrocorticosterone
3679	11-Dehydrocorticosterone acetate
3683	Deoxycholic acid
8959	11-Deoxycorticosterone

Item No.	
3684	11-Deoxycorticosterone acetate
3042	Digitalin
3043	Digitonin
2952	Digitoxigenin
3044	Digitoxin
3047	Digoxin
3685	5α-Dihydrotestosterone
3686	5β-Dihydrotestosterone
3687	Diosgenin
3698	16α,17α-Epoxy-16β-methylpregnenolone
3699	16α,17α-Epoxypregnenolone
8964	Estradiol
8965 3727	Estriol
8966	Estrone
3657	17α-Ethynyl-5-androstene-3β,17β-diol
3658	17α-Ethynylestradiol
8952	3α-Etiocholanol-17-one
3660	3β-Etiocholanol-17-one
4135	Gitoxin
3702	Hecogenin acetate
8963	Hydrocortisone
3707	11β-Hydroxy-4-androstene-3,17-dione
8983	16α-Hydroxyestrone
3703	3β-Hydroxy-5α-etiocholanic acid
3705	3β-Hydroxy-5β-etiocholanic acid
3706	3β-Hydroxy-5-etiocholenic acid
3708	21-Hydroxy-5β-pregnane-3,20-dione
8982	20β-Hydroxy-4-pregnen-3-one
3709	17α-Hydroxyprogesterone
3710	Hyodeoxycholic acid
5298	Lanatoside A
5297	Lanatoside B

Item No.	
3713	Lanosterol
3716	17α-Methyl-5-androstene-3β,17β-diol
3717	6-Methylpregnadienolone acetate
3718	16-Methylpregnadienolone acetate
3719	16α-Methylpregnenolone
3720	17α-Methyltestosterone
3682	Prednisolone
3680	Prednisone
3731	Pregnadienolone acetate
8967	Pregnanediol
3732	5α-Pregnane-3,20-dione
3733	5β-Pregnane-3,20-dione
8968	Pregnanetriol
8969	Pregnanetriolone
8970 3734	Pregnenolone
8981	Pregnenolone sulfate potassium salt
8972	Progesterone
3740	Reichstein's substance "S"
3741	β-Sitosterol
3742	Smilagenin
6504	Sodium deoxycholate
3743	Stigmasterol
7890	*k*-Strophanthidin
7896	*g*-Strophanthin
7894	*k*-Strophanthin
7891	*k*-Strophanthoside
8973	Testosterone
8984	Testosterone hydrogen sulfate sodium salt
8974	Tetrahydrocortisol
8975	Tetrahydrocortisone
3746	Tigogenin

VIII. Vitamins

Item No.	
127	L(+)Ascorbic acid
1643	D(+)Biotin
2316	Calcium D(+)pantothenate
2236	β-Carotene synthetic
3251	4′-Deoxypyridoxine hydrochloride
3984	Folic acid
5793	Menadione
5794	Menadione sodium bisulfite
6818	Nicotinamide
6817	Nicotinic acid
7523	Pyridoxal hydrochloride
7524	Pyridoxaminium dichloride
7527	Pyridoxol hydrochloride
7609	Riboflavine
7631	Rutin
6816	Sodium D(+)pantothenate
8181	Thiaminium dichloride
8283	DL-α-Tocopherol
8284	DL-α-Tocopherol acetate
8520	Vitamin A acetate oily concentrate
8521	Vitamin B_{12}
8522	Vitamin D_2 cryst.
8523	Vitamin D_3 cryst.

IX. Other biochemicals

1211	Ammonium sulfate
1840	Bilirubin
1910	*N,N*-Bis(2-hydroxyethyl)-glycine
3094	5-Dimethylamino-1-naphthalenesulfonyl chloride
3291	2,2′-Dinitro-5,5′-dithiodibenzoic acid
3906	1,4-Dithioerythrite
3195	Ergotaminine
1308	*N*-Ethylmaleinimide
4220	Guanidinium chloride
4564	5-Hydroxyindole-3-acetic acid
4525	4-Hydroxy-3-methoxymandelic acid
4534	2-Hydroxy-5-nitrobenzyl bromide
353	3-Indoleacetic acid
354	3-Indolebutyric acid
382	DL-Malic acid
6003	Mescalinium sulfate
6128	2-Morpholinoethanesulfonic acid (MES)
7349	Phenylmethanesulfonyl fluoride
7499	Phytol
5026	Potassium hydroxide pellets
7654	Sucrose
8615	*N*-Tosyl-L-phenylalanylchloromethane (TPCK)
8163	N^{α}-Tosyl-L-lysyl-chloromethane hydrochloride
8387	Tris(hydroxymethyl)-aminomethane
8602	*N*-[Tris(hydroxymethyl)-methyl]-glycine
8488	Urea

9. Reagents for clinical tests

I. Merckotest® reagent kits

Item No.

3305 Merckotest® Acid phosphatase for photometric determination of acid phosphatase in serum

3304 Merckotest® Alkaline phosphatase for photometric determination of alkaline phosphatase in serum

3314 Merckotest® Alkaline phosphatase (kinetic method) for photometric determinations of alkaline serum phosphatase . . . . . .

3301 Merckotest® α-Amylase for photometric determination of α-amylase in serum or urine . . . .

3333 Merckotest® Bilirubin for photometric determination of bilirubin (total and direct bilirubin) in serum and plasma . . . . . .

3322–3328 Merckotest® Blood sugar (GOD-method) for photometric determination of the glucose content in whole blood, serum or plasma . . . .

3306–3335 Merckotest® Blood sugar (o-toluidine method) for photometric determination of the glucose content in whole blood, plasma, serum or liquor .

3350–3353 Merckotest® Blood sugar (o-toluidine without acetic acid) for photometric determination of the glucose content in whole blood, plasma, serum or urine .

3311 Merckotest® Chloride for titrimetric determination of the chloride content in serum, urine and other body fluids . . . . . .

3312 Merckotest® Cholesterol acc. to Liebermann-Burchard for photometric determination of serum total cholesterol . . . . . .

3337 Merckotest® Cholinesterase (kinetic method) for photometric determination of cholinesterase in serum and plasma . . . . . .

3310 Merckotest® Cholinesterase Reagent paper and test plate for rapid determinations of serum and plasma cholinesterase . . . . . .

Item No.

3319 Merckotest® Copper for photometric determination of copper in serum . . . . . .

3323–3329 Merckotest® GOT (UV method) for photometric determination of the glutamate-oxalacetate transaminase in serum . . . . . .

3302 Merckotest® GOT/GPT for determination of glutamate-oxalacetate transaminase and glutamate-pyruvate transaminase in serum . . .

3324–3330 Merckotest® GPT (UV method) for photometric determination of the glutamate-pyruvate-transaminase in serum . . . . . .

3332 Merckotest® GPT (optimum UV method) for photometric determination of the glutamate-pyruvate-transaminase in serum (optimal substrate concentration) . . . . . .

3317 Merckotest® Hemoglobin for photometric determination of hemoglobin in blood . . . . . .

3298 Hemiglobin cyanide standard solutions acc. to GIM (for Merckotest® Hemoglobin) . . . . . .

3308 Merckotest® α-Hydroxybutyrate dehydrogenase (HBDH) for photometric determination of α-hydroxybutyrate dehydrogenase in serum . .

3331 Merckotest® Inorganic phosphate for photometric determination of the inorganic phosphate in serum, urine and other body fluids . . . . .

3307 Merckotest® Iron for photometric determination of the iron content in serum . . . . . .

3313 Merckotest® Iron binding capacity (free IBC and total IBC) for photometric determinations of serum iron binding capacity . . . . . .

Item No.

3303 Merckotest® LDH for photometric determination of lactate dehydrogenase in serum . . . . . .

3338 Merckotest® Magnesium for photometric determination of the magnesium content in serum, urine and other body fluids . . . . . .

3326 Merckotest® PKU (Guthrie method) for the detection of phenylketonuria . . . . . .

3320 Merckotest® Takata for 50 nephelometric determinations . . . . . .

3309 Merckotest® Thymol turbidity test acc. to Reinhold reagent kit and turbidity standard for 150 nephelometric determinations or 320 visual tests

3347 Merckotest® Thymol turbidity test-solution ready for use for about 250 nephelometric evaluations or 600 visual tests . . . . . .

3357 Merckotest® TLC phenylalanine and leucine for 144 TLC tests for the detection of increased concentration of phenylalanine, leucine, *iso*-leucine, methionine, valine and tyrosine in plasma . . . . . .

Item No.

3345 Merckotest® TLC Plasma amino acids for 60 thin-layer chromatography determinations in the detection of abnormal plasma amino acid levels . . . .

3346 Basic outfit for Merckotest® TLC consisting of: 2 chromatography chambers with glass cover plates, 1 applicator, 1 pr. of tweezers, 1 glass cutter . . . .

3321 Merckotest® Total lipids for photometric determinations of the total lipid content in serum . . .

3327 Merckotest® Total protein (Biuret method) for photometric determination of the total protein in serum or plasma . . . . . .

3334 Merckotest® Urea (Berthelot reaction) for photometric determination of urea in serum or urine (BUN)

3341 Merckotest® Urea (DAM method) for photometric determination of urea . . . . . .

5479 TTC-Test-tablets for identification for bacterial infections of the urinary tract . . . . . .

II. Merck-1-Test® reagent kits

3356 Merck-1-Test® Alkaline phosphatase (kinetic method) for 15 photometric 1-Test determinations of alkaline phosphatase . . . . . .

3325 Merck-1-Test® Cholinesterase (kinetic method) for 12 photometric 1-Test determinations of serum or plasma cholinesterase . . . . . .

3351 Merck-1-Test® GOT (UV method) for 12 photometric 1-Test determinations of serum glutamate-oxalacetate transaminase . . . . . .

3352 Merck-1-Test® GPT (UV method) for 12 photometric 1-Test determinations of serum glutamate-pyruvate transaminase . . . . . .

3348 Merck-1-Test® HBDH (UV method) for 12 photometric 1-Test determinations of serum α-hydroxybutyrate dehydrogenase . . . . . .

3349 Merck-1-Test® LDH (UV method) for 12 photometric 1-Test determinations of serum lactate dehydrogenase . . . . . .

III. In vivo diagnostic aids

Item No.

447045 Bromthalein for the liver function test (ampoules 0.5 g : 10 ml)

447046 D(+)Galactose for liver function test

447019 Indigo carmine for kidney function test (ampoules 0.02 g : 5 ml)

Item No.

447034 Phenolsulfonphthalein solution for the kidney function test (ampoules 6 mg / 10 ml)

447069 Two-dye test for the liver function test acc. to Zimmer (ampoules 10 ml)

IV. Special reagent solutions and formulations for clinical tests

65 Acetic acid 5%

66 Acetic acid 10%

Alcohol stock solutions for determination of alcohol in blood acc. to Widmark

1165 Amido black 10 B solution for serum electrophoresis

5423 Ammonia solution about 10% GR

1764 Benzidine tablets for detection of blood

6211 1-Bromonaphthalene solution for electrophoresis

9401 Buffer solution pH 8.6 for serum electrophoresis

9879 Buffer Titrisol acc. to Weise

2583 Caffeine reagent for determination of serum bilirubin

1340 Congo red

9405 Conversion solution for haemoglobin determinations (reagent solution)

9409 Copper reagent A acc. to Frank-Kirberger

9410 Copper reagent B acc. to Frank-Kirberger

Copper reagent see Folin-Wu's copper reagent

9403 Cyanide carbonate solution for determination of blood sugar acc. to Neuweiler

9400 Decolorisation solution for serum electrophoresis

3111 Dioxane-*iso*-butanol(about 70:30) clearing fluid for membrane electrophoresis

9020 Ehrlich's reagent for detection of urobilinogen

9021 Esbachs' reagent for detection of albumin

3169 Evans blue for determination of blood volume

9042 / 9043 Fehling's reagent

9022 Folin-Denis' reagent

9411 Folin-Wu's copper reagent

9412 Folin-Wu's molybdic acid reagent

9032 Frank-Kirberger's molybdatoarsenic acid reagent

9402 Fusion mixture for determination of nitrogen

9024 Gowers' reagent

Hagedorn-Jensen's solutions

9039 Haines' reagent

Hanus' solution see Iodine solution acc. to Hanus

Harris'hematoxylin solution see Papanicolaou's solution

9262 / 9260 Hayem's reagent

9164 0,2 N Iodine solution acc. to Hanus

4780 Iodine solution 1% in ethanol

5512 Iron(III) chloride solution (about 10% Fe)

5514 Iron(III) chloride solution in acetic acid and sulfuric acid

9404 Isotonic sodium sulfate-copper sulfate solution

9026 Millon's reagent

Molybdic acid reagent see Folin-Wu's molybdic acid reagent

Item No.	
9011 9012	Nessler's reagent
9046	Nonne-Apelt's reagent
9029	Nylander's reagent
9031	Obermayer's reagent
9047	Pandy's reagent
7242	Phenol red solution indicator for gastric-acid titration
604	Picric acid solution 1.2% GR
9035	Schlesinger's reagent
9360 9361	Sodium citrate solution
5594	Sodium hydroxide solution 20% GR
5623	Sodium silicate solution with glycerol for determination of uric acid in serum
6674	Sodium tungstate solution 10%
692	5-Sulfosalicylic acid solution 20% for detection of albumin in urine
9037	Sulkowitch's reagent for calcium
8210	Tetramethylammonium hydroxide solution 10% for examination of steroids
8166	Thymol solution 10% in 2-Propanol for preservation of urine
7576	Thymol buffer solution acc. to Maclagan
9049	Töpfer's reagent
8313	o-Toluidine solution for determination of blood sugar
8300	o-Toluidine solution (without acetic acid) for determination of blood sugar
811 806	3 M Trichloroacetic acid solution
9415	Trichloroacetic acid solution 20% GR
5479	TTC-Test-tablets for identification for bacterial infections of the urinary tract
9425	Uranyl acetate solution 1.6% GR
1913	Weichselbaum's biuret reagent
	Weise's buffer solution see Buffer solution acc. to Weise
9036	Weltmanns' reagent
	Westergren's solution see Sodium citrate solution
	Widmark's solutions see Alcohol stock solutions
2024	Wunderly's reagent
8696	Xanthydrol about 10% in methanol

10. Preparations for microbiology

I. Culture media

Item-No.		Application *
5265	Acetate test agar acc. to Trabulsi and Ewing	biochemical differentiation of Enterobacteriaceae
5452	Anaerobe agar acc. to Brewer	surface growing of clostridia and other anaerobic microorganisms
5473	Anaerobiosis rings acc. to Ott	accessories for anaerobe culture media
5272	Antibiotic agar No. 1 (Grove and Randall medium No. 1)	penicillin assay (seed layer)
5270	Antibiotic agar No. 2 (Grove and Randall medium No. 2)	penicillin assay (base layer)
5271	Antibiotic agar No. 5 (Grove and Randall medium No. 5)	streptomycin assay
5269	Antibiotic agar No. 11 (Grove and Randall medium No. 11)	neomycin assay
5273	Antibiotic broth (Grove and Randall medium No. 3)	antibiotics assays
5392	Antibiotic-sulfonamide sensitivity-test agar (diffusion method)	determination of microbial sensitivity to antibiotics and sulfonamides
1590	Azide glucose broth	examination of drinking, industrial and waste water
5418	Bismuth-sulfite agar acc. to Wilson-Blair	isolation and differentiation of typhoid and paratyphoid bacteria
5454	Brilliant-green bile lactose broth	detection of coliform organisms in powdered milk and meats and sausages, determination of the coli titre in milk on the basis of lactose fermentation
7236	Brilliant-green phenol-red lactose agar acc. to Kauffmann	selective growing of salmonellae
7237	Brilliant-green phenol-red lactose sucrose agar	selective growing of salmonellae
3032	Bromocresol-purple azide broth	examination of drinking, industrial and waste water
5455	Bromocresol-purple lactose agar	detection of enteric bacteria of the coli group and as a selective medium for isolation of intestinal pathogens of the Salmonella and Shigella groups
1639	Bromothymol-blue lactose agar	diagnostic aid in Salmonella and Shigella infections (differentiation of enteric lactose-fermenters and non-fermenters)
1638	Bromothymol-blue lactose cystine agar	Shigella/Salmonella differentiation (lactose-fermenting and non-fermenting enteric bacteria)
5409	Calcium-caseinate agar acc. to Frazier and Rupp	detection of proteolytic bacteria

Item-No.		Application *
5456	Casein-peptone cystine phenol-red agar	nutrient bases for biochemical differentiation of microorganisms (in conjunction with carbohydrate filter disks)
5457	Casein-peptone phenol-red agar	
5458	Casein-peptone soybean-meal-peptone agar	universal culture media for growing of fastidious microorganisms
5459	Casein-peptone soybean-meal-peptone broth	
5267	Cereus-selective agar acc. to Mossel	counting of vegetative forms and spores of Bacillus cereus
2348	China blue lactose agar	differentiation of lactose-fermenting and non-fermenting bacteria and counting of bacteria in milk, milk products and water
2503	Citrate-agar acc. to Christensen (modified)	Shigella/Escherichia differentiation
2500	Citrate broth acc. to Koser	examination of drinking, industrial and waste water
5410	Clostridium agar (RCM)	growing of clostridia and other anaerobic microorganisms
5411	Clostridium culture medium (RCM), semi-solid	
5466	Clostridium selective agar	selective medium for isolation of pathogenic clostridia
5261	Clostridium selective medium (basic medium) acc. to Levetzow	detection of clostridia in the bacteriological examination of meat and other foodstuffs
5416	Corynebacterium-selective agar (base)	isolation of diphtheria and pseudo-diphtheria bacteria
5260	Count agar for the mineral oil industry	determination of number of microorganisms in water, in particular injection water in mineral oil production
5463	Count agar (Casein-peptone glucose yeast-extract agar) for milk bacteriology	count agar for milk and milk products, in accordance with the recommendations of the International Dairying Federation (1957) and the American Public Health Association (1960)
1406	Crystal-violet neutral-red bile agar	detection of coliform bacteria
5460	Czapek-Dox agar	growing and identification of saprophytic fungi, soil bacteria, and other microorganisms
5461	Czapek-Dox nutrient solution acc. to Thom and Raper	
2896	Deoxycholate citrate agar acc. to Leifson modified	selective growing of salmonellae and shigellae
2894	Deoxycholate lactose agar	isolation and counting of coliform microorganisms
	Drigalski agar see Litmus lactose agar and Litmus lactose crystal-violet agar	
5400	Egg medium acc. to Löwenstein-Jensen (base)	preparation of M. tuberculosis egg media
	Endo agar see Fuchsin lactose agar	
5394	Enterobacteriaceae enrichment medium acc. to Mossel	enrichment of salmonellae from foodstuffs

Item No.		Application *
5263	Enterobacteriaceae transportation and enrichment medium acc. to Hajna	transportation of material to be examined
1347	Eosin methylene-blue lactose sucrose agar	selective culture medium for isolation of pathogenic enteric bacteria
4044	Fuchsin lactose agar acc. to Endo (type C)	selective growing of coliform bacteria and typhoid/paratyphoid/ enteritis differentiation (enteric lactose-fermenters and non-fermenters)
4043	Fuchsin lactose agar acc. to Endo (type S)	
4045	Fuchsin lactose broth	detection of coliform bacteria in water
5414	Fungus agar acc. to Kimmig (base)	isolation of pathogenic skin fungi
	Fungus culture medium acc. to Sabouraud see Glucose peptone agar acc. to Sabouraud	
5415	Fungus selective agar acc. to Littmann	isolation of pathogenic fungi
1403	Gentian violet bile lactose broth acc. to Kessler-Swenarton	detection of bacteria of the coli and aerogenic groups
5268	Glucose agar	preparation of glucose blood agar and growing of fastidious aerobic and anaerobic microorganisms
8338	Glucose broth	growing of various bacterial species, especially streptococci, and determination of glucose utilisation without the use of an indicator
7315	Glucose peptone agar acc. to Sabouraud modified	isolation and identification of pathogenic skin fungi
8339	Glucose peptone broth acc. to Sabouraud	for sterility tests
1957	Glycerol tributyrate (tributyrin)-agar (base)	detection of lipolytic agents
3913	Iron two-sugar agar acc. to Kligler	differentiation of salmonellae and shigellae
5412	KCN test medium acc. to Møller (base)	the differentiation of enterobacteriaceae
	Kirchner substrate 30, modified acc. to Herrmann (base) see Substrate acc. to Kirchner	
	Kligler agar see Iron two-sugar agar.	
5413	Lactobacillus-selective agar	detection of lactobacilli
7655	Lactose peptone broth acc. to Eijkman	examination of drinking, industrial and waste water
5408	LDC test medium acc. to Carlquist	detection of lysine decarboxylase formation
	Leifson agar see Deoxycholate citrate agar and Selenite enrichment medium	

Item No.		Application *
5403	Leptospira broth acc. to Korthof (base)	growing of leptospires
5316	Litmus lactose agar acc. to Drigalski	Shigella/Salmonella differentiation (enteric lactose-fermenters and non-fermenters)
5317	Litmus lactose crystal-violet agar acc. to Drigalski-Conradi	as a diagnostic aid in salmonella infections (differentiation of enteric lactose-fermenters and non-fermenters in material heavily contaminated with microorganisms)
5464	Liver broth for detection of anaerobes	detection of anaerobes in meats and sausages
5465	MacConkey agar	detection of coliform bacteria and isolation of salmonellae and shigellae
5396	MacConkey broth	detection of coliform microorganisms in milk and water
5419	Malonate phenylalanine test medium acc. to Shaw and Clarke	detection of malonate and phenylalanine cleavage
5398	Malt extract agar	growing of yeasts and moulds
5397	Malt extract broth	
5399	Maltose peptone broth acc. to Sabouraud	detection of fungi and yeasts
5404	Mannitol sodium-chloride phenol-red agar	selective culture medium for isolation of pathogenic staphylococci
5262	Membrane filtration-enterococcal selective agar acc. to Slanetz and Bartley.	determination of number of enterococci in liquid materials submitted for examination
8335	Membrane filtration-glucose peptone agar acc. to Sabouraud	counting of yeasts and fungi by membrane filtration
7885	Membrane filtration-standard nutrient agar	determination of bacterial contamination by membrane filtration
5712	Methyl-red Voges-Proskauer broth (MR-VP medium)	examination of drinking, industrial and waste water
5462	Nitrate medium	differentiation medium for detection of nitrate reduction
5450	Nutrient agar	universal medium for less fastidious bacteria
5443	Nutrient broth	identification, growing and propagation of microorganisms; basic medium for special culture media
4069	Nutrient gelatin	examination of drinking, industrial and waste water
4067	Nutrient gelatin special	electronic counting of microcolonies
6934	Ornithine decarboxylase (arginine dihydrolase) test broth (base)	differentiation between the Shigella groups, between Salmonella pullorum and between Proteus morganii and Prot.
5264	Perfringens selective agar acc. to Marshall	detection, isolation and determination of number of Clostridium perfringens
5274	PKU phenylalanine test medium	microbiological detection of phenylalanine in blood (phenylketonuria)

Item No.		Application *
5172	Potassium-tetrathionate brilliant-green bile enrichment broth	differentiation of Proteus bacteria from Salmonella and Shigella
5173	Potassium-tetrathionate crystal-violet enrichment broth acc. to Preuss	enrichment of salmonellae
5395	Potassium thiocyanate Actidione® sodium azide egg-yolk pyruvate agar (base)	detection of enterotoxigenic staphylococci in foodstuffs
5438	Sabouraud glucose agar	isolation, growing, and differentiation of fungi
5439	Sabouraud maltose agar	
7667	Salmonella/Shigella agar	for elective growing of Salmonella and Shigella bacteria
5467	Selective agar for pathogenic fungi	isolation of pathogenic fungi from heavily contaminated material
7718	Selenite brilliant-green mannitol enrichment medium acc. to Osborne and Stokes	enrichment of salmonellae from egg powder and other foodstuffs
7717	Selenite enrichment medium acc. to Leifson	enrichment of Salmonella, Shigella and Pasteurella cultures
5470	SIM culture medium	differentiation of typhoid, paratyphoid, and dysentery bacteria
2501	Simmons citrate agar	differentiation of gram-negative intestinal bacteria by determining citrate utilisation
1621	Standard bacterial count agar for milk bacteriology	counting of microorganisms in milk and milk products
7881	Standard I nutrient agar	growing of fastidious microorganisms
7882	Standard I nutrient broth	
7883	Standard II nutrient agar	growing of enteric microorganisms and base for elective and differential media
7884	Standard II nutrient broth	
7892	Staphylococcus enrichment medium (base)	enrichment of coagulase-positive staphylococci
5406	Staphylococcus selective agar acc. to Baird-Parker (base)	isolation and differentiation of staphylococci
5469	Staphylococcus selective agar No. 110 acc. to Chapman	selective medium for isolation, differentiation and counting of pathogenic staphylococci
5405	Staphylococcus selective agar acc. to Vogel-Johnson (base)	early detection of coagulase-positive and mannitol-positive staphylococci
5453	Streptococcus enrichment medium	selective enrichment of streptococci
5468	Streptococcus selective agar	nutrient medium for isolation and counting of streptococci
5401	Substrate acc. to Kirchner 30	isolation of M. tuberculosis
5407	TB broth acc. to Dubos (base)	growing and enrichment of tubercle bacilli and for the determination of bacterial resistance to tuberculostatic agents

Item No.		Application *
8282	TCT selective agar (thallium-sulfate crystal-violet esculin base)	selective medium for Streptococcus agalactiae
5471	Tergitol® 7 agar ® = trademark of the Union Carbide and Carbon Corporation.	selective medium for isolation of coliform bacteria
8190	Thioglycollate broth	sterility tests
8191	Thioglycollate nutrient medium (semi-solid)	detection of anaerobes
5417	Transport medium acc. to Stuart, modified acc. to Ringertz	culture medium for transport of specimens being submitted for examination
	Tributyrin agar see Glycerol tributyrate agar	
5447	Trichomonas culture medium	cultivation of Trichomonas vaginalis and species of Candida
3915	Triple sugar iron agar	differentiation of gram-negative enteric bacteria
5472	Trypaflavine bromothymol-blue lactose agar acc. to Klimmer, Haupt and Borchers	detection of coliform bacteria in milk and milk products
8492	Urea agar acc. to Christensen (base)	differentiation of enteric bacteria
8483	Urea broth	differentiation between B. proteus and salmonellae or shigellae
1282	Water-blue metachrome-yellow lactose agar acc. to Gassner	detection of pathogenic, gram-negative, enteric salmonellae of the salmonella group
5448	Wort agar	growing and counting of yeasts
5449	Wort broth	growing of yeasts

II. Bases for culture media

Item No.		Application *
1614	Agar purified and free from inhibitors	preparation of culture media
2245	Casein hydrolysate (acid hydrolysed)	substrate for vaccine manufacture and production of streptase
2238	Casein hydrolysate (acid hydrolysed) vitamin-free	preparation of vitamin-test media
2239	Casein hydrolysate (pancreatic), free from sulfonamide antagonists	sulfonamide-sensitivity testing of microorganisms
3979	Extract of meat dry	preparation of culture media
3753	Extract of yeast powder	preparation of culture media
4070	Gelatin	preparation of culture media
9293	Kovács' indole reagent	identification of indole
5402	Liver hydrolysate (enzymatic)	culture media additive
5347	Liver powder	culture media for the growing of anaerobes
5391	Malt extract	preparation of culture media
3756	Ox bile dried, purified	preparation of culture media
7213	Peptone from casein trypsin-digested	preparation of culture media
7224	Peptone from meat pepsin-digested	
7214	Peptone from meat trypsin-digested	
7212	Peptone from soyabean flour papain-digested	
7043	Universal peptone M 66	

III. Other preparations for microbiology

Item No.		Application *
1333	Acridine orange	fluorescent staining
846	Adonitol	reactant for biochemical identifications
1890	Ammonium bismuth citrate	culture media additive
1275	Aniline blue (china blue) water-soluble	culture media additive
1494	D(–)Arabinose	reactants for biochemical identifications
1492	L(+)Arabinose	
1301	Auramine	fluorescent staining
9211	Azur II	staining of smears and slices
4054	Bile salt mixture	culture media additive
	Bismarck brown see Vesuvine	
1310	Brilliant green	culture media additive
	Carbohydrate test leaflets	for biochemical differentiation
5480	Adonitol	
5481	L(+)Arabinose	
5482	Dulcitol	
5483	D(–)Fructose (levulose)	
5484	D(+)Galactose	
5474	D(+)Glucose	
5485	Glycerol	
5486	*meso*-Inositol	
5487	Inulin	
5475	D(+)Lactose	
5477	D(+)Maltose	
5478	D(–)Mannitol	
5488	D(+)Mannose	
5489	Raffinose	
5490	L(+)Rhamnose	
5491	Salicin	
5492	D(–)Sorbitol	
5476	Sucrose	
5493	D(+)Trehalose	
5494	D(+)Xylose	

Item No.		Application *
	China blue see Aniline blue water-soluble	
1408	Crystal violet	culture media additive; staining of smears and slices
1358	Diamond fuchsin	preparation of fuchsin agar acc. to Endo
3067	*N,N*-Dimethyl-*p*-phenylenediammonium dichloride	detection of cytochromoxidase
5990	Dulcitol	reactant for biochemical identifications
1344	Eosin bluish	staining of smears and slices
1345	Eosin yellowish	
3160	*meso*-Erythritol	reactant for biochemical identifications
1355	Erythrosine	staining of smears and slices
842	Esculin	reactant for biochemical identifications
5323	D(–)Fructose	reactant for biochemical identifications
4041	Fuchsin (NB)	staining of smears and slices
4062	D(+)Galactose	reactant for biochemical identifications
1402	Gentian violet B	culture media additive; staining of smears and slices
9203	Giemsa's azur eosin methylene-blue	staining of smears and slices
9204	Giemsa's azur eosin methylene-blue solution	
8342	D(+)Glucose	culture media additive and for biochemical identifications
4094	Glycerol, redistilled (about 87%)	reactant for biochemical identifications
8238	Glycerol triacetate (triacetin)	detection of Cipolytic enzymes
1958	Glycerol tributyrate (tributyrin)	
4202	Glycogen	reactant for biochemical identifications
9216	Gram's carbol gentian-violet solution	staining of bacteria
4305	Hematoxylin	staining of smears and slices
327	Hydrochloric acid in ethanol	staining of smears and slices acc. to Ziehl-Neelsen

Item No.		Application *
8370	Indian ink acc. to Burri cont. 1% phenol	for visualising bacteria (negative method)
4728	*meso*-Inositol	reactants for biochemical identifications
4733	Inulin	
5314	Kubel-Tiemann's litmus solution	culture media additive
7657	D(+)Lactose (monohydrate)	culture media additive and reactant for biochemical identifications
1315	Light green, yellowish	staining of smears and slices
1287	Löffler's methylene-blue solution	staining of smears
9261	Lugol's solution	gram staining
5842	*tri*-Magnesium dicitrate	culture media additive
1398	Malachite green – oxalate	culture media additive and staining of smears
5910	D(+)Maltose	reactant for biochemical identifications
5982	D(–)Mannitol	culture media additive and reactant for biochemical identifications
5984	D(+)Mannose	reactant for biochemical identifications
1352	May-Grünwald's eosin methylene-blue	staining of smears and slices
1424	May-Grünwald's eosin methylene-blue solution modified	
5998	Metachrome yellow	culture media additive
1283	Methylene blue B	staining of smears
1314	Methyl green	staining of smears and slices
1416	Methyl violet 6 B	
6223	1-Naphthol GR	detection of cytochromoxidase
9238	Neisser's solution Ia (methylene-blue solution)	staining of diphtheria bacteria
9239	Neisser's solution Ib (crystal violet solution)	
1369	Neutral red	culture media additives; staining (fluorescent) of smears and slices
1291	Nile blue chloride	
5275	PKU spore suspension	microbiological detection of phenylalanine in blood (phenyl-ketonuria)
5276	PKU standard strips	
5164	Potassium tellurite	culture media additives
5169	Potassium tetrathionate	

Item No.		Application *
7517	Pyronin G	fluorescent staining of smears and slices
7549	Raffinose	reactants for biochemical identifications
4736	D(+)Rhamnose (monohydrate)	reactants for biochemical identifications
1382	Safranin	staining of smears and slices
7665	Salicin	reactant for biochemical identifications
6504	Sodium deoxycholate	culture media additives
6340	Sodium hydrogen selenite	culture media additives
6525	Sodium iodate	examination of milk
6527	Sodium malonate	culture media additive
7758	D(–)Sorbitol extra pure	culture media additive; reactant for biochemical identifications
1252	Starch soluble	reactant for biochemical identifications
7651	Sucrose	reactant for biochemical identifications
5495	Test leaflets	detection of indole formation
5496	Test leaflets	detection of hydrogen sulfide formation
5497	Test leaflets	detection of urease formation
8103	Tetrazolium blue	vital stains and redox indicators
8104	Tetrazolium purple	vital stains and redox indicators
8135	Thallium(I) sulfate	culture media additives
695	Thioglycollic acid about 80%	culture media additives
1421	Thionine	staining of smears and slices
8353	D(+)Trehalose (dihydrate)	reactant for biochemical identifications

Item No.		Application
	Triacetin see Glycerol triacetate	
	Tributyrin see Glycerol tributyrate	
8380	2,3,5-Triphenyltetrazolium chloride	culture media additive
5479	TTC-Test tablets	identification of bacterial infections of the urinary tract
1297	Vesuvine	staining of smears and slices
1279	Water blue	culture media additive
8689	D(+)Xylose	reactant for biochemical identifications
9215	Ziehl-Neelsen carbol-fuchsin solution	staining of tubercle bacilli

11. Preparations for microscopy

Item No.		Application *
1333	Acridine orange	fluorescent staining
1166	Amido black 10 B	examination of milk
1275	Aniline blue (china blue) water-soluble	histological staining
1278	Astra® blue	detection of acid mucopolysaccharides
1301	Auramine	fluorescent staining
1593	Azocarmine G	histological staining
9211	Azur II	histological and microbiological staining
	Bismarck brown see Vesuvine	
1921	Brilliant black	biological redox reactions; examination of milk
1280	Brilliant cresyl blue	staining of reticulocytes
1685	Caedax® (canada balsam synthetic)	embedding agents
1691	Canada balsam	
1689	Canada balsam ductile optically pure	
1698	Canada balsam glass-hard optically pure	
1693	Canada balsam glass-hard dissolved in xylene (2+1)	
1684	Canada balsam synthetic (Rhenohistol®)	
	Canada balsam synthetic see also Caedax®	
9220	Carbol xylene	
2233	Carmine	histological staining
9291	Carmine azurol colour reagent acc. to Kühnel	differentiation of fibrous materials
211	Carminic acid	histological staining
4363	Cedukol® (collodion wool)	embedding histological slices in celloidine

Item No		Application *
9231	Cover glass cement acc. to Krönig	embedding agent
5235	Cresyl violet	histological staining
1408	Crystal violet	histological and microbiological staining
9252	Delafield's hematoxylin solution	histological staining
7960	Entellan®	rapid embedding agent
1344	Eosin bluish	histological and microbiological staining
1345	Eosin yellowish	
1355	Erythrosine	
3994	Fluorescein *iso*-thiocyanate	for the fluorescent microscopic detection of antigen-antibody-reactions for Merckoglas
3999	Formaldehyde solution min. 37% w/w, free from acid	histological purposes
4041	Fuchsin (NB) powder	histological and microbiological staining
7629	Fuchsin acid (Rubin S)	
4050	Gallocyanine chloride	histological staining
1402	Gentian violet B	histological and microbiological staining
9203	Giemsa's azur eosin methylene-blue	staining of blood smears and protozoa
9204	Giemsa's azur eosin methylene-blue solution	
4239	Glutaraldehyde solution 25%	ixative for light and electron microscopy
4095	Glycerol	fluorescence microscopy
1582	Gold trichloride acid yellow	staining of lattice fibres acc. to Gomori
9216	Gram's carbol gentian-violet solution	staining of bacteria
4305	Hematoxylin	histological and microbiological staining
327	Hydrochloric acid in ethanol	staining acc. to Ziehl-Neelsen
4699	Immersion oil	auxiliary agent for microscopical work
4729	Immersion oil	
8370	Indian ink acc. to Burri cont. 1% phenol	demonstration of bacteria (negative method)
1324	Janus green	vital staining of mitochondria
9242	Kaiser's glycerol gelatin	embedding agent
1350	Leishman's eosin methylene-blue	staining of blood smears

Item No.		Application *
1315	Light green, yellowish	histological and microbiological staining
1287	Löffler's methylene-blue solution	microbial staining and staining of tissue cultures
9261	Lugol's solution	gram stain
1398	Malachite green – oxalate	microbiological staining
9249	Mayer's hemalum solution	staining of nuclei
1352	May-Grünwalds' eosin methylene-blue	staining of blood smears
1424	May-Grünwald's eosin methylene-blue solution	
3970	Merckofix	spray fixative for cytodiagnostic purposes
3972	Merckoglas® Liquid coverglass (spray can)	in place of a cover glass or as embedding agent
3973	Merckoglas® Liquid coverglass (glass bottle)	
6065	Methyl benzoate	embedding agent
1283	Methylene blue B	histological and microbiological staining
1314	Methyl green	
1416	Methyl violet 6 B	
9238	Neisser's solution Ia (methylene-blue solution)	staining of diphtheria bacilli
9239	Neisser's solution Ib (crystal violet solution)	
6730	Neocarmine B "Fesago"	dye reagents for the detection of textile fibres
6731	Neocarmine MS "Fesago"	
6732	Neocarmine W "Fesago"	
6734	Neocarmine TA "Fesago tablets"	
6733	Neocarmine colour table "Fesago"	
1369	Neutral red	vital staining and fluorescent staining
1291	Nile blue chloride	
5189	Nuclear fast red	histological staining

Item No.		Application *
6965	Oil of cedar wood	auxiliary agent for microscopical work
6885	Orange II	for histological staining
7091	Orcein	
9266	Osmic acid solution 2%	fixative
	Papanicolaou's solutions:	
9253	Solution 1) Harris' Hematoxylin solution	cytological diagnosis of cancer and the endometrial state
6887	Solution 2) Orange G solution (OG 6)	
9271	Solution 3a) Polychromic solution EA 31	
9272	Solution 3b) Polychromic solution EA 50	
9270	Solution 3c) Polychromic solution EA 65 (staining effect: red)	for cytodiagnostic purposes
9269	Solution 3d) Polychromic solution EA 65 (staining effect: blue-green)	
7159	Paraffin solidification point 42–44° C	for histology
7155	Paraffin solidification point 51–53° C (prepared mixed paraffin)	
7163	Paraffin solidification point 57–60° C	
7601	Pararosaniline (base)	histological and microbiological staining
1371	Phloxin	histological, microbiological and parasitological staining
7517	Pyronin G®.	histological and microbiological staining (fluorescent staining)
	Rhenohistol see Canada balsam synthetic	
7599	Rhodamine B	fluorescent staining
7600	Rhodamine 6 G	
1382	Safranin	histological and microbiological staining
9034	Schiff's reagent	nuclear staining according to Feulgen
9275	Shorr dye solution	hormonal cytodiagnosis
7447	Silver protein strong	staining acc. to Bodian
6525	Sodium iodate	examination of milk
6815	Sodium 1-naphthyl-phosphate	determination of phosphatase

Item No.		Application *
	Sternheimer-Malbin's solution:	
9273	I) Gentian violet solution	for urine-sediment leukocyte staining
9274	II) Safranin solution	
1380	Sudan III	detection of fat
1387	Sudan black B	histological and microbiological staining
8103	Tetrazolium blue	vital stains and redox indicators for histochemical and microbiological examinations
8104	Tetrazolium purple	
8743	Thioflavine S	histological, microbiological and fluorescent staining
1421	Thionine	histological and microbiological staining
1273	Toluidine blue 0	
9277	Türk's solution	leucocyte counting
8507	Variamine®-blue salt B conc.	histochemical detection of alkaline phosphatase
1297	Vesuvine	histological and microbiological staining
8539	Victoria blue 4 R	
9278	Wright's eosin methylene blue	staining of blood smears
1383	Wright's eosin methylene blue solution	
9215	Ziehl-Neelsen carbol-fuchsin solution	staining of tubercle bacilli

12. Laboratory accessories and sundry materials

Item-No.	
6747	Adhesive tape for thin layer chromatography
1560	Asbestos for Gooch crucibles
1962	Brij® 35
2015	Cadmium oxide anhydrous
2100	Calcium hydride
2109	Calcium oxide from marble
2186 9624	Charcoal activated
2499	Chromosulfuric acid
8603	Deca(ethylene glycol)monooctylphenyl ether for electronic count of milk cells
3172	Depilation powder
7555	Extran® liquid cleansing agent for laboratory equipment
7558	Extran® powder for automatic laboratory rinsing equipment
9999	Glass rods for opening Titrisol ampoules
4086	Glass wool
	Ion exchangers I, II, III, IV and V
3956 3954	Iron(II) sulfide
8119	Kieselguhr purified and calcined
5809	Magnesia rods
5873	Magnesium perchlorate (for drying)
5986	Marble chips for producing CO_2
5977	Marble powder for water analysis
4403	Mercury

Item-No.	
5704	Molecular sieve 3 Å beads about 2 mm
6102	Molecular sieve 3 Å powder
5708	Molecular sieve 4 Å beads about 2 mm
6103	Molecular sieve 4 Å powder
5705	Molecular sieve 5 Å beads about 2 mm
5703	Molecular sieve 10Å beads about 2 mm
6746	Neatan®
6900	Oil bath
7160 7162	Paraffin
542 543	Phosphorus pentoxide drying agent for desiccators
7451	Poly-(chlorotrifluoroethylene) grease
7536	Quartz
7712	Sea sand
7735	Silica gel beads
1925	Silica gel with moisture indicator
7743	Silicone anti-foaming agent
7746	Silicone grease
7921	Silicone high vacuum grease heavy
7922	Silicone high vacuum grease medium
7742	Silicone oil for oil baths up to 250° C
4318	Stopcock grease
7913	Substance facilitating boiling
7992	Sulfidogen® (sulfur paraffin rods)
717 719	Sulfuric acid drying agent for desicators
6001	Wood's metal

Table of Important Elements

Atomic number		Symbol	Atomic Weight ●	d 20° 4°	Melting-point °C	Boiling-point °C
13	Aluminium	Al	26.9815	2.7	658	2057
51	Antimony	Sb	121.75	6.68	630	1380
33	Arsenic	As	74.9216	5.72	615 subl.	—
56	Barium	Ba	137.34	3.5	710	1140
83	Bismuth	Bi	208.980	9.8	271	1560
5	Boron (cryst.)	B	10.811	3.33	2300	2550
35	Bromine	Br	79.909	3.14	—7.3	58.78
48	Cadmium	Cd	112.40	8.64	321	767
20	Calcium	Ca	40.08	1.55	850	1240
6	Carbon (graphite)	C	12,01115	2.25	3652 subl.	—
17	Chlorine	Cl	35.453	1.507*	—100.5	—34.6
24	Chromium	Cr	51.996	6.92	1920	2480
27	Cobalt	Co	58.9332	8.9	1492	2900
29	Copper	Cu	63.54	8.92	1084	2336
9	Fluorine	F	18.9984	1.695**	—218	—188
31	Gallium	Ga	69.72	5.9	29.5	1983
79	Gold	Au	196.967	19.25	1063	2600
1	Hydrogen	H	1.00797	0.09**	—262	—252.8
53	Iodine	I	126.9040	4.93	113.6	184.35
26	Iron	Fe	55.847	7.86	1535	3000
82	Lead	Pb	207.19	11.34	327	1620
3	Lithium	Li	6.939	0.534	179	1336
12	Magnesium	Mg	24.312	1.74	657	1107
25	Manganese	Mn	54,9381	7.2	1221	1900
80	Mercury	Hg	200.59	13.55	—38.8	356.58
42	Molybdenum	Mo	95.94	10.2	2622	4800
28	Nickel	Ni	58.71	8.9	1453	2900
7	Nitrogen	N	14.0067	1.25**	—210.5	—195.8
8	Oxygen	O	15.9997	1.429**	—218.7	—182.68
46	Palladium	Pd	106.4	11.97	1555	2200
15	Phosphorus (white)	P	30.9738	1.82	44.1	280
78	Platinum	Pt	195.09	21.45	1773	4300
19	Potassium	K	39.102	0.86	63.5	760
34	Selenium	Se	78.96	4.26	220	688
14	Silicon (cryst.)	Si	28.086	2.4	1414	2355
47	Silver	Ag	107.870	10.5	960	1950
11	Sodium	Na	22.9898	0,97	97.7	880
38	Strontium	Sr	87.62	2.6	757	1150
16	Sulphur (rhombic)	S	32.064	2.07	112.8	444.6
52	Tellurium	Te	127.60	6.24	452	1390
81	Thallium	Tl	204.37	11.84	303	1457
50	Tin	Sn	118.69	7.2	231.8	2270
22	Titanum	Ti	47.90	4.4	1800	> 3000
74	Tungsten	W	183.85	19.3	3380	5900
92	Uranium	U	238.09	19.0	1689	—
23	Vanadium	V	50.942	6,07	1726	> 3000
30	Zinc	Zn	65.37	7.1	419.4	907

● referred to atomic mass $^{12}C = 12$

* at —33.6 °C

** g/l (under normal conditions)

Organic solvents

Solvents	Boiling point °C	d $\frac{20°}{4°}$	n $\frac{20°}{D}$	flash-pt. °C	MAC [cm³/m³]	Drying agents/methods
Acetic acid glacial	118	1.049	1.372	+40	25	freeze out; P_2O_5; $Mg(ClO_4)_2$; $CuSO_4$
Acetic anhydride	136	1.082	1.390	+49	5	$CaCl_2$
Acetone	56	0.791	1.359	—18	1000	$CaCl_2$; K_2CO_3 molecular sieve 3 Å
Acetonitrile	82	0.782	1.344	+ 6	40	$CaCl_2$; P_2O_5 molecular sieve 3 Å
Aniline	184	1.022	1.586	+76	5	KOH; BaO
Anisole	154	0.995	1.518	+51	—	$CaCl_2$; distillation; Na
Benzene	80	0.879	1.501	—10	25	distillation $CaCl_2$; Na molecular sieve 4 Å
1-Butanol	118	0.810	1.399	+29	100	K_2CO_3; distillation
2-Butanol	100	0.808	1.398	+24	100	K_2CO_3; distillation
tert-Butanol	82	0.786	1.384	+11.1	100	CaO; freeze out
iso-Butanol	108	0.803	1.396	+28—29		K_2CO_3; CaO; Mg; Ca
n-Butyl acetate	126	0.882	1.394	+33	200	$MgSO_4$
Carbon disulfide	46	1.263	1.626	—30	20	$CaCl_2$; P_2O_5
Carbon tetrachloride	77	1.594	1.466	non inflammable	10	distillation; $CaCl_2$ molecular sieve 4 Å
Chlorobenzene	132	1.106	1.525	+29.5	75	$CaCl_2$; distillation; P_2O_5
Chloroform	61	1.480	1.448	non inflammable	50	$CaCl_2$; P_2O_5 molecular sieve 4 Å
Cyclohexane	81	0.779	1.426	—17	400	Na molecular sieve 4 Å
Decahydronaphthalene (mixture of isomers) (Decalin)	189/191	0.886	1.48	+57—58	< 100	$CaCl_2$; Na
Dichloromethane (Methylene chloride)	40	1.325	1.424	non inflammable	500	$CaCl_2$ molecular sieve 4 Å
Diethyl carbonate	126	0.975	1.385	—	—	K_2CO_3; Na_2SO_4
Diethylene glycol dibutyl ether	250	0.885	1.423	—	—	$CaCl_2$; Na
Diethylene glycol diethyl ether	189	0.906	1.412	+82.5	—	$CaCl_2$; Na
Diethylene glycol dimethyl ether	162	0.945	1.407	+70	—	$CaCl_2$; Na
Diethyl ether	35	0.714	1.353	—40	400	$CaCl_2$; Na molecular sieve 4 Å

Solvents	Boiling point °C	d $^{20°}_{4°}$	n $^{20°}_{D}$	flash-pt. °C	MAC [cm³/m³]	Drying agents/methods
N,N-Dimethylformamide	153	0.950	1.430	+ 62	20	distillation molecular sieve 4 Å
Dimethyl sulfoxide	189	1.101	1.479	+ 95	—	distillation
Dioxan	101	1.034	1.422	+ 11.8	100	$CaCl_2$; Na molecular sieve 4 Å
Di-*iso*-propyl ether	68	0.726	1.368	— 23	500	$CaCl_2$; Na molecular sieve 4 Å
Ethanol	78	0.791	1.361	+ 12	1000	CaO; Mg molecular sieve 3 Å
Ethyl acetate	77	0.901	1.372	— 4	400	K_2CO_3; P_2O_5
Ethyl formate	54	0.924	1.360	— 19.5	100	$CaCl_2$
Ethylene glycol	197	1.109	1.432	+111	—	distillation Na_2SO_4
Ethylene glycol monoethyl ether	135	0.930	1.408	+ 41	200	distillation
Ethylene glycol monomethyl ether	124	0.965	1.402	+ 52	25	distillation
Ethyl methyl ketone	80	0.806	1.380	— 4.4	200	K_2CO_3; $CaCl_2$
Formamide	106/ 15 mm	1.134	1.445	—	—	Na_2SO_4; CaO
Glycerol	290	1.260	1.475	+176	—	distillation
n-Hexane	69	0.659	1.375	— 23	500	Na
Methanol	65	0.792	1.329	+ 11	200	$CaCl_2$; Mg; CaO molecular sieve 3 Å
Methyl acetate	57	0.933	1.362	— 10	200	K_2CO_3; CaO
Methyl-*iso*-butyl ketone	117	0.801	1.396	+ 15.5	100	$CaCl_2$; K_2CO_3
Nitrobenzene	211	1.204	1.556	+ 92	1	$CaCl_2$; P_2O_5; distillation
n-Pentane	36	0.626	1.358	— 49	1000	Na
1-Propanol	97	0.804	1.385	+ 15	200	CaO; Mg
iso-Propanol	82	0.785	1.378	+ 12	400	CaO; Mg molecular sieve 3 Å
Pyridine	115	0.982	1.510	+ 20	5	KOH; BaO molecular sieve 4 Å
Tetrahydrofuran	66	0.887	1.407	— 17.5	200	KOH; Na molecular sieve 4 Å
1,2,3,4,-Tetrahydro-naphthalene = Tetralin	207	0.973	1.546	+ 78	< 100	$CaCl_2$; Na
Toluene	111	0.867	1.497	+ 4	200	distillation Na; $CaCl_2$ molecular sieve 4 Å
Trichloroethylene	87	1.462	1.478	non in-flammable	100	distillation Na_2SO_4; K_2CO_3
Xylene (mixture of isomers)	137/140	~ 0,86	~ 1.50	+ 27	200	distillation Na; $CaCl_2$ molecular sieve 4 Å

Indicators for Volumetric Work and pH Determinations

	pH range	colour change
Thymol blue	1.2 — 2.8	red to yellow
m-Cresol purple	1.2 — 2,8	red to yellow
Methyl yellow	2.9 — 4.0	red to orange-yellow
Bromophenol blue	3.0 — 4.6	yellow to red-violet
Congo red	3.0 — 5.2	blue-violet to red-orange
Methyl orange	3.1 — 4.4	red to orange-yellow
Bromocresol green	3.8 — 5.4	yellow to blue
Mixed indicator 5	4.4 — 5.8	red-violet to green
Methyl red	4.4 — 6.2	violet-red to orange-yellow
Lacmoid	5.0 — 8.0	red to blue
Bromocresol purple	5.2 — 6.8	yellow to purple
Bromophenol red	5.2 — 6.8	orange-yellow to purple
Bromothymol blue	6.0 — 7.6	yellow to blue
Phenol red	6.4 — 8.2	yellow to red
Neutral red	6.8 — 8.0	bluish-red to orange-yellow
Cresol red	7.0 — 8.8	yellow to purple
m-Cresol purple	7.4 — 9.0	yellow to purple
Thymol blue	8.0 — 9.6	yellow to blue
Phenolphthalein	8.2 — 9.8	colourless to red-violet
Thymolphthalein	9.3 — 10.5	colourless to blue
Alizarin yellow GG	10.0 — 12.1	pale yellow to orange-red
Epsilon blue	12.0 — 13.0	orange to violet

Oxidation-Reduction Indicators

	E_o*, volts pH 7; 20 °C	colour change
Neutral red	—0.32	red to colourless
Methylene blue	+0.01	blue to colourless
Thionine	+0.06	violet to colourless
2.6-Dichlorophenolindophenol	+0.23	blue to colourless
Variamine blue	(+0.60)	
Diphenylamine	(+0.76)	blue to colourless
Diphenylaminesulfonic acid	+0.83**	violet to colourless
Ferroin	+1.06***	red to pale blue

* transition potential at colour change (50 % indicator reduced)
** in 1 M sulfuric acid
*** 1/40 M in 1 M sulfuric acid

Drying agents

agent	formula	residue of water in mg/l of air after drying at 25 °C
Cupric sulfate anhydrous	$CuSO_4$	1.4
Zinc chloride fused	$ZnCl_2$	0.8
Calcium chloride granular	$CaCl_2$	0.14—0.25
Calcium oxide	CaO	0.2
Sodium hydroxide fused	$NaOH$	0.16
Magnesium oxide	MgO	0.008
Calcium sulfate anhydrous	$CaSO_4$	0.005
Sulfuric acid conc.	H_2SO_4 (95—100 %)	0.003—0.3
Aluminium oxide	Al_2O_3	0.003
Potassium hydroxide fused	KOH	0.002
Silica gel	$(SiO_2)\,x$	(~0.001)
Magnesium perchlorate anhydrous	$Mg(ClO_4)_2$	0.0005
Phosphorus pentoxide	P_2O_5	< 0.000025

Vapour pressure of water over H_2SO_4 at 20 °C

% H_2SO_4	10	20	30	40	50	55	60
p_D [Torr]	17.2	15.4	13.2	9.8	6.2	4.4	2.8
% H_2SO_4	65	70	75	80	85	90	
p_D [Torr]	1.6	0.8	0.3	0.1	0.03	0.005	

Freezing mixtures

The figures indicate proportions by weight	decrease of temperature from (°C) to	
4 water + 1 potassium chloride	+10	— 12
1 water + ammonium nitrate	+10	— 15
1 water + 1 sodium nitrate + 1 ammonium chloride	+ 8	— 24
3 ice ground + 1 sodium chloride	0	— 21
1.2 ice ground + 2 calcium chloride ($CaCl_2 \cdot 6\,H_2O$)	0	— 39
1.4 ice ground + 2 calcium chloride ($CaCl_2 \cdot 6\,H_2O$)	0	— 55
methanol or acetone + solid carbon dioxide	+ 15	— 77

US, Imperial and Metric Equivalents

Temperature

	° Centigrade	° Réaumur	° Fahrenheit
a ° Centigrade	—	$\frac{a \times 8}{10}$	$\frac{a \times 18}{10} + 32$
b ° Réaumur	$\frac{b \times 10}{8}$	—	$\frac{b \times 18}{8} + 32$
c ° Fahrenheit	$\frac{(c-32) \times 10}{18}$	$\frac{(c-32) \times 8}{18}$	—

° C	° F	° C	° F	° C	° F	° C	° F	° C	° F
— 40	— 40	10	50	60	140	110	230	160	320
— 35	— 31	15	59	65	149	115	239	165	329
— 30	— 22	20	68	70	158	120	248	170	338
— 25	— 13	25	77	75	167	125	257	175	347
— 20	— 4	30	86	80	176	130	266	180	356
— 15	+ 5	35	95	85	185	135	275	185	365
— 10	14	40	104	90	194	140	284	190	374
— 5	23	45	113	95	203	145	293	195	383
0	32	50	122	100	212	150	302	200	392
+ 5	41	55	131	105	221	155	311	210	410

Length

metres	x	3.281	=	feet
feet	x	0.3048	=	metres
metres	x	39.37	=	inches
inches	x	0.0254	=	metres
centimetres	x	0.3937	=	inches
inches	x	2.540	=	centimetres
millimetres	x	0.0394	=	inches
inches	x	25.4	=	millimetres

Volume

litres	x	0.2642	=	US gallons
US gallons	x	3.785	=	litres
imperial gallons	x	1.201	=	US gallons
US gallons	x	0.8327	=	imperial gallons
cubic metres	x	35.31	=	cubic feet
cubic feet	x	0.0283	=	cubic metres
cubic metres	x	264.2	=	US gallons
US gallons	x	0.00379	=	cubic metres

Weight

kilograms	x	2.2046	=	lbs.
lbs.	x	0.4536	=	kilograms
tons (long)	x	1016.05	=	kilograms
tons (long)	x	2240	=	lbs.
tons (metr.)	x	1000	=	kilograms
tons (metr.)	x	2204.6	=	lbs.
tons (short)	x	907.185	=	kilograms
tons (short)	x	2000	=	lbs.
grams	x	15.432653	=	grains
grains	x	0.0647989	=	grams
grams	x	0.0352740	=	ounces
ounces	x	28.349527	=	grams

Price amendment No. 1 November 1970

pag

page	No.		Standard-packages		DM
165	5716/ 0025	TLC plates Cellulose	1 pack		35.—
			St-Box 10 x 1 pack	1 pack	33.—
			4 x 10 x 1 pack	1 pack	32.—
	5718/ 0025	TLC plates Cellulose F	1 pack		35.—
			St-Box 10 x 1 pack	1 pack	33.—
			4 x 10 x 1 pack	1 pack	32.—
246	6049	Dichloromethane	2,5 l		13.75
			St-Box 8 x 2,5 l	2,5 l	12.70
			8 x 8 x 2,5 l	2,5 l	12.40
255	923	Diethyl ether extra pure	1 l		7.50
			St-Box 15 x 1 l	1 l	7.—
			8 x 15 x 1 l	1 l	6.75
			5 l		30.—
			St-Box 6 x 5 l	5 l	27.75
			6 x 6 x 5 l	5 l	27.—
293	9020	Ehrlich's reagent	100 ml		5.—
			5 x 100 ml	100 ml	3.15
			St-Box 50 x 100 ml	100 ml	2.95
			4 x 50 x 100 ml	100 ml	2.85
			500 ml		6.30
			St-Box 30 x 500 ml	500 ml	5.85
			5 x 30 x 500 ml	500 ml	5.70
298	9021	Esbach's reagent	100 ml		5.—
			5 x 100 ml	100 ml	2.90
			St-Box 50 x 100 ml	100 ml	2.70
			4 x 50 x 100 ml	100 ml	2.60
			500 ml		5.30
			St-Box 30 x 500 ml	500 ml	4.90
			5 x 30 x 500 ml	500 ml	4.75
320	7555	Extran liquid	1 l		8.—
			St-Box 15 x 1 l	1 l	7.40
			5 x 15 x 1 l	1 l	7.20

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Nominal Dimensions of Standard Sieves

Sieve opening in mm	USA Standard ASTM E 11-61	Mesh Number Tyler mesh/inch	British Standard BS 410 : 1962 mesh/inch
0.037	400	400	—
0.044	325	325	—
0.045	—	—	350
0.053	270	270	300
0.063	230	250	240
0.074	200	200	—
0.075	—	—	200
0.088	170	170	—
0.090	—	—	170
0.105	140	150	150
0.125	120	115	120
0.149	100	100	—
0.150	—	—	100
0.177	80	80	—
0.180	—	—	85
0.210	70	65	72
0.250	60	60	60
0.297	50	48	—
0.300	—	—	52
0.354	45	42	—
0.355	—	—	44
0.420	40	35	36
0.500	35	32	30
0.595	30	28	—
0.600	—	—	25
0.707	25	24	—
0.710	—	—	22
0.841	20	20	—
1.00	18	16	16
1.19	16	14	—
1.20	—	—	14
1.41	14	12	—
1.68	12	10	10
2.00	10	9	8

Usual concentrations of some acids

	% by weight	Sp. gr. $d\ ^{20°}_{4°}$	degrees Baumé*	Normality**
Acetic acid glacial 96 %	96	1.06	8	17
Acetic acid glacial 99–100 %	99 — 100	1.06	8	18
Acetic acid dilute	30	1.04	5,4	5
Acetic anhydride	90	1.07	10	—
Formic acid	98 — 100	1.22	26	26
Hydrochloric acid	25	1.12	16	8
Hydrochloric acid (1.16)	32	1.16	20	10
Hydrochloric acid (1.18)	36	1.18	22	12
Hydrochloric acid fuming	38	1.19	23	12,5
Nitric acid	25	1.15	18,6	5
Nitric acid (1.40)	65	1.40	41	14
Nitric acid fuming (about 1.50)	abt. 99	1.51	49	21
Phosphoric acid	25	1.15	19	9
o-Phosphoric acid (1.710)	85	1.71	59	45
o-Phosphoric acid (1.750)	89	1.75	62	48
Sulfuric acid (1.84)	95 — 97	1.84	66	36
Sulfuric acid dilute	16	1.11	14	4
Sulfuric acid fuming about 65 % SO_3		1.99	72	—

* acc. to formula $145 - \frac{145}{\text{sp. gr.}} = {}^{\circ}\text{Bé}$

** approximate value

General Catalogue 1971

MERCK